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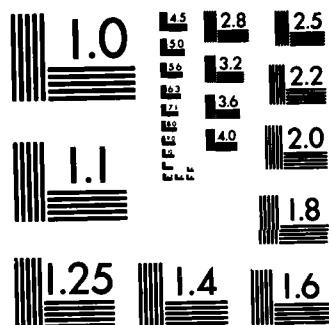
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RESEARCH AND DEVELOPMENT TECHNICAL REPORT
ECOM-DR-76-3

**BALLOON-BORNE AEROSOL PARTICLE COUNTER MEASUREMENTS
MADE IN WINTERTIME AT GRAFENWÖHR, WEST GERMANY**

DATA REPORT

By

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June 1976

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) A balloon-borne aerosol particle spectrometer was operated near Grafenwohr, West Germany, at intervals during the 1975-1976 winter to measure size distribution of fog and haze particles as a function of altitude. The work was done at the request of the USA Night Vision Laboratory in support of an extensive test program conducted by that organization. This report was prepared to present the actual data in reduced form, in order to make them available to interested parties as soon as possible. Other reports will follow which deal with Mie		

20. Abstract (cont)

theory computations made on these data, and their implication concerning atmospheric transmission.

The instrument used was a Particle Measurement System, Inc., Model CSAS-100 particle spectrometer. The reduced data are presented as number of particles per cm^3 in each of 15 particle diameter channels ranging from 0.4 to 30 μm . Data are shown for altitudes ranging from 0 to 250 m. In general, it was found that water droplet concentration and size increased with altitude. Measurements of upward and downward light flux, made with photodiodes, and thermistor temperature measurements are also included.

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A

INTRODUCTION

This report presents aerosol data collected in West Germany during the mid-December 1975 through February 1976 time period, using a balloon-borne aerosol particle counter. The work was done as part of the Atmospheric Sciences Laboratory's (ASL) contribution to a US Army Electronics Command (USAECOM) field exercise conducted by the Night Vision Laboratory (NVL). The test location is a military training ground near the town of Grafenwöhr in West Germany. Grafenwöhr is approximately 100 km north of Nürnberg near the eastern border of West Germany. The local terrain consists of rolling hills and is partially forested; some of the land is tilled for farming.

These data were collected by ASL using equipment and support facilities provided by NVL. It should be understood that this work was done as a part of a much larger field test operation, and therefore the field conditions - such as choice of test location, hours of operation, equipment design, etc. - were not optimized for the aerosol measurements. Test conditions at the site were necessarily dictated by consideration of the larger overall objectives. The basic goal of these balloon aerosol measurements was to obtain some information about the degree of vertical inhomogeneity encountered at the test site. The balloon experiment consisted of an aerosol particle counter suspended 20 m below a 1500 ft³ tethered balloon as shown in Figure 1.

The experiment could not be operated at night because it was not equipped with lights required to meet local aircraft hazard warning regulations. There was also a problem with interference caused by the presence of a nearby radar station, so that even during daylight hours data was collected only when the radar station was not in operation. This caused a considerable constraint on the operating schedule, and that is why data collection periods appear to be chosen at random intervals. All of the data presented in this report were gathered when the radar was not in operation - with the exception of the December measurements that were executed before the problem was discovered. The December data have been examined carefully in light of knowledge of the effect that the radar has on the instrument, and no data appeared to be affected.

In addition, it should be noted that the choice of the actual operating conditions (ascent rate, altitude intervals, etc.) of the balloon particle counting system was always a compromise between the need for long counting intervals to produce statistically meaningful results, the desire to obtain reasonable vertical spatial resolution by counting at frequent altitude intervals, and the need to complete the ascent/descent in a relatively short time interval because of the continually changing atmospheric conditions. Changes in operating conditions that are seen in this report are the result of judgments made in the field concerning such compromises. Obviously, more counters at spatially separated locations would have been desirable.

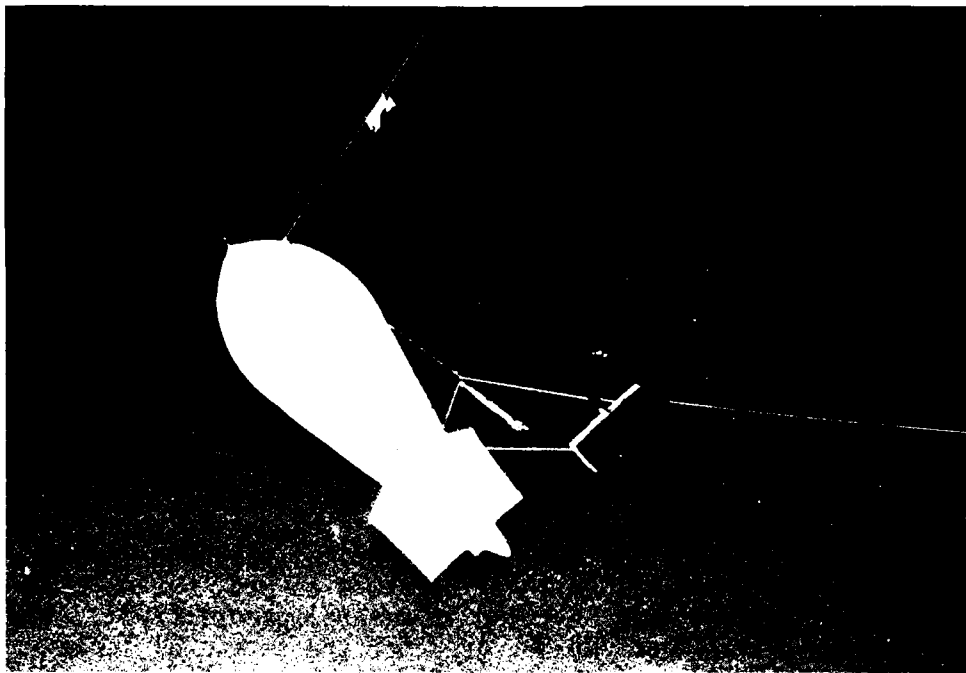
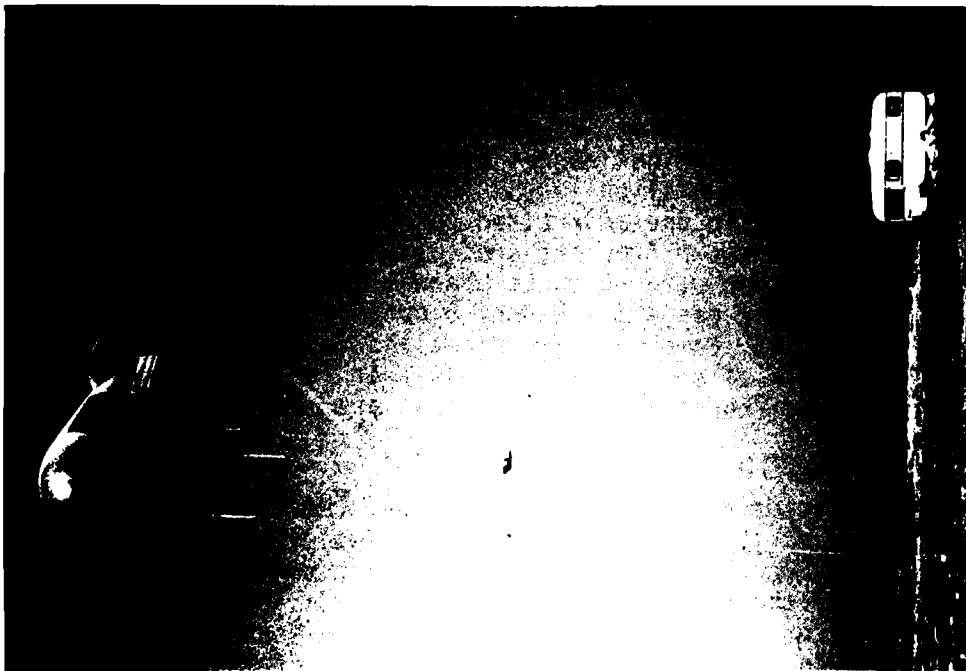


Figure 1. Photographs of the balloon experiment package consisting of an aerosol particle counter suspended 20 m below a 1500 ft³ tethered balloon.

The data are presented in reduced form in the appendix, and the particle counter calibration prescribed by the manufacturer is given. The instrument calibration was checked in the field by the manufacturer using latex spheres and was found to be unchanged from factory calibration.

In an attempt to make the measurements available to the DOD community as quickly as possible, no discussion of the data is offered. Reports relating these data to other measurements made at the Grafenwöhr test site may be expected from the participating laboratories.

MEASUREMENT OF PARTICULATES

Particulate measurements were made with a commercially available [Classical Scattering Spectrometer Probe Model CSAS-100 made by Particle Measurements Systems (PMS) of Boulder, CO] light scattering aerosol particle counter. The counter works on the principle that as aerosol flows through an illuminated volume, light scattered by a single particle into a particular solid angle is measured photoelectrically, and response pulses are classified according to their magnitude. In turn, this signal is related to the particle size by a calibration curve. Theoretical response calculations for this instrument are not in the literature as yet, but calculations for similar instruments may be found in several papers [1-3]. The PMS instrument uses a 5-milliwatt He-Ne laser for the source of light. The solid angle for collection of the scattered light is $4-22^\circ$ from the direction of forward scattering, and for a given gain or range setting there are 15 pulse-height channels of information. The pulse-height channels are related to particle size in Table 1. These are values quoted by PMS and represent some average particle diameter values for homogeneous, nonabsorbing, spherical particles with refractive indexes in the range of those of atmospheric aerosols. These values would be somewhat different under the assumption of spherical water droplets, for example, and the authors plan to pursue this problem of data deconvolution in a future report. To a rough approximation, however, particle size can be related to channel number for the various ranges by using the calibration information in Table 1. Some anomalies in the data that are believed to be caused by the difference in the advertised response of the instrument and the actual response for water droplets are: (1) discontinuities in the particle size distribution data at about channel 9 on range 4, at channel 5 on range 2; and (2) for range 2, channel 5 concentrations are higher than those in channel 4. However, some anomalies in the data are not understood. An example of such an anomaly is that for some heavy low visibility conditions, channel 1 concentrations are abnormally small on ranges 2 and 3.

Another important factor regarding the data interpretation is that the counting efficiency of the instrument for particles greater than about $10\mu\text{m}$ in diameter is probably less than 100 percent, since the gravitational fall rate for these larger particles (0.3 cm/s for a $10\text{-}\mu\text{m}$ diameter water droplet) may cause some to be lost in the instrument intake before being measured. It is not known at this time if this effect is serious.

TABLE 1
 PARTICLE SIZE CHANNEL WIDTHS (Diameter in μm)
 FOR THE PMS BALLOON INSTRUMENT,
 AS SPECIFIED BY THE MANUFACTURER

Channel	Instrument Range			
	1	2	3	4
1	2-4	1-2	0.5-1	0.4-0.65
2	4-6	2-3	1-1.5	0.65-0.9
3	6-8	3-4	1.5-2.0	0.9-1.15
4	8-10	4-5	2.0-2.5	1.15-1.4
5	10-12	5-6	2.5-3.0	1.4-1.65
6	12-14	6-7	3.0-3.5	1.65-1.9
7	14-16	7-8	3.5-4.0	1.9-2.15
8	16-18	8-9	4.0-4.5	2.15-2.4
9	18-20	9-10	4.5-5.0	2.4-2.65
10	20-22	10-11	5.0-5.5	2.65-2.9
11	22-24	11-12	5.5-6.0	2.9-3.2
12	24-26	12-13	6.0-6.5	3.2-3.5
13	26-28	13-14	6.5-7.0	3.5-3.8
14	28-30	14-15	7.0-7.5	3.8-4.1
15	30-32	15-16	7.5-8.0	4.1-4.4

The particulate measurements reported in the appendix are in particles per cm^3 per channel. These values were derived from the raw data from the formula:

$$P_i = \frac{C_i}{S * F}$$

where

P_i is the number of particles per cm^3 in channel i .

C_i is the number of particles counted in channel i .

S is the sample time in seconds.

F is the sample flow rate - which is advertised to be $0.156 \text{ cm}^3/\text{sec}$ for this instrument.

For example, if 10 counts were recorded in a particular channel for a 60-second measurement period, the reported particle concentration would be 1.1 particles per cm^3 for that particular channel (in the computer printout this number would appear as 11, since all concentration values have been multiplied by 10 to eliminate columns required for the decimal points). The above formula can of course be used to determine the statistical significance of a particular concentration value.

It should be pointed out that not all the particle data presented in the appendix are particularly useful in calculating total particulate cross sections. The reason is that for some fog conditions, measurements were made with the particle counter set on several different ranges. It is obvious from the data that for some balloon traverses, the larger particles were not counted when the instrument was set on the smaller particle size ranges.

MEASUREMENT OF ALTITUDE

The balloon package altitude was measured using a rheostat connected to the balloon winch spool. The rheostat was calibrated against measured length of nylon line used to tether the balloon. Although the nylon line length could be measured accurately to within a few meters (effects of nylon line stretching included), the error in measurement of balloon altitude is somewhat greater, depending on the local wind. For the high wind (20 mph) days, the balloon was displaced approximately 20° from the vertical, resulting in an altitude error of about 10 percent. The values of the altitude readings for times when the instrument was at ground level

(i.e., when the range setting was changed) are a measure of the reproducibility of altitude analog. Thus, small negative altitude readings occasionally appear in the computer printout, and the minimum altitude reading for each traverse is in fact the ground level reading. During the 21-23 February measurement periods the rheostat mechanism was inoperable and the altitude was estimated from markers attached to the tethering line. The maximum altitude error for this period is estimated at ± 20 percent. The letters U, D, S following the altitude data in the computer printout imply that the instrument was moving upward (normally at 0.4 mps), downward (normally at 0.4 mps), or was stationary during the measurement period. This U, D, S notation does not apply to most of the December data since for this data the instrument was operated continuously in an overflow mode during balloon ascent and descent. In the overflow mode, the instrument reads out, resets, and resumes counting after a certain particle count has been reached (9999 total counts). Therefore, for the December data, when the balloon altitude has changed from one data set to the next, part of the sample is for the corresponding altitude traverse and part at the final altitude.

MEASUREMENT OF AIR TEMPERATURE

Air temperature was measured with a glass coated, carbon resistor having a 2-second time constant mounted in the aerosol sample flow stream within the instrument package. Daily performance of calibration against a thermometer during the measurement period shows maximum errors in the temperature measurement of $\pm 2^\circ\text{C}$. However, the temperature changes on the order of tenths of degrees that are reported for time scales of minutes are believed real.

MEASUREMENT OF VISIBLE RADIATION FLUX

The visible radiation flux from above and below the instrument package was measured with silicon photodiode detectors with spectral sensitivity in the 0.4 to $1.1\mu\text{m}$ range, and with the peak response at $0.8\mu\text{m}$. The solid angle field of view for both upward and downward looking detectors is estimated π steradians. The detector response is advertised by PMS to be linear to within 1 percent over the range of radiation fluxes measured. The values of radiation flux reported here are photodiode output voltages that are proportional to the radiation flux, but cannot be related to radiation flux in an absolute way. However, measurements made with the two detectors under controlled conditions show that their outputs are in agreement with each other to within about 1 percent. During the measurement periods for which ground measurements were made, the upward radiation flux values are not useful.

During heavy, low visibility conditions, rime formed on the nylon tether line and to a lesser extent on the instrument package. Since the photodiode detectors were exposed, condensation or impaction of material on them may have caused erroneous readings during these measurement periods.

REFERENCES

1. Cooke, Derry D. and Milton Kerker, Applied Optics, 14, 734 (1975).
2. Pinnick, R. G., J. M. Rosen, and D. J. Hofmann, Applied Optics, 12, 37 (1973).
3. Liu, B. Y. H., R. N. Bergland, and J. K Agarwal, Environ. Sci. Technol., 8, 717-732 (1974).

APPENDIX

COMPILATION OF MEASUREMENTS OF PARTICULATES,
RADIATION FLUX, AND AIR TEMPERATURE

a. Computer Printout Data Format

A single line of data in the computer printout comprises a data set for measurements of particulates, radiation flux, and air temperature. The first column is the local time in hours, minutes, and seconds. The second column is the time during which the particulate data were collected. The third column designates the probe range setting which can be used to relate the particle concentrations in various channels to particle size according to Table 1. The fourth column of data is the instrument altitude above ground level. The alphanumeric symbols U, D, S indicate that the instrument was moving up, down, or was stationary during the measurement period. The fifth column is ambient air temperature in °C. The sixth and seventh columns are visible radiation flux measurements for radiation from above (downward) and below (upward) the instrument package, and are in relative units. The remaining data are particle concentration values per channel that have been multiplied by 10.

b. Data Table of Contents

13-20 Dec 75	These data were collected at different locations about 3 km west of the site of the remaining data. This was basically a test of the operational capability of the system.
21 Feb 76 0814-1014 1030-1138	Foggy uniform overcast conditions for this data. Wind was very light below about 150 m. Several balloon traverses were made to 200 m altitude. The balloon tether line was frosty when brought down.
22 Feb 76 0743-0927 1156-1444	This data is for medium to heavy for conditions with visibilities normally less than 1 km, but clearing after 1400 hours. The data are for a number of balloon traverses to 250 m altitude.
23 Feb 76 1535-1753	Relatively high visibility conditions for this data. Measurements were made to about 250 m altitude.

25 Feb 76
0716-0808

Heavy fog and light drizzle conditions for this data with visibility normally less than 500 m. Balloon ascents were made to 180 m altitude.

25 Feb 76
1214-1341

Heavy fog conditions for this data with visibility 500 to 300 m. Several balloon traverses were made to 150 m altitude.

25 Feb 76
1545-1656

This data is for very heavy fog conditions, during which time the visibility changed from 100 to 300 m in time scales of minutes. Several balloon traverses were made to an altitude of about 150 m.

26 Feb 76
0724-0918

No judgments of conditions or visibility were recorded for this data set. Several balloon traverses were made to 120 m altitude.

28 Feb 76
0734-1112

This data is for variable conditions of patchy light fog and blue sky. Several balloon traverses were made and there is also a measurement period for the instrument near ground level.

1 Mar 76
0731-1033

Light haze to clear conditions for this data. During this period, the instrument was about 3 m from ground level since the wind was too strong to fly the balloon.

1 Mar 76
1632-2009

This data is for clear conditions with the instrument about 3 m from ground level. Sunset was at 1751 hours.

DATE -- 12/13/75

NOTE

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE (M)	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX		PARTICLES PER CC (X 10 ¹)																
					DOWN	UP	TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15	
12:38:59	128	3	102	-2.1	390	50	4976	3726	736	283	192	34	2	1	1	1	0	0	0	0	0	0	0
12:41:10	131	3	129	-2.0	375	53	4853	3467	679	364	233	105	1	1	1	1	0	0	0	0	0	0	0
12:43:19	129	3	161	-2.1	376	54	4949	3294	721	425	301	194	5	3	3	2	0	0	0	0	0	0	0
12:45:29	130	3	179	-2.2	391	53	4895	2937	732	496	433	286	2	3	1	4	0	0	0	0	0	0	0
12:47:39	130	3	194	-2.6	394	62	4892	3025	741	509	382	225	4	1	3	1	0	0	0	0	0	0	0
12:49:49	130	3	210	-2.7	402	61	4890	2809	788	599	422	307	8	1	3	1	0	0	0	0	0	0	0
12:52:04	135	3	226	-2.7	402	64	4722	2484	792	592	470	368	8	2	4	3	0	0	0	0	0	0	0
12:54:16	132	3	226	-2.7	399	65	4814	2342	789	665	556	446	9	1	4	3	0	0	0	0	0	0	0
13:08:13	132	3	226	-2.8	463	93	4820	2069	887	702	604	530	11	4	6	7	1	0	0	0	0	0	0
13:10:29	136	3	226	-2.6	473	92	4678	2011	850	687	576	530	9	3	4	5	1	0	0	0	0	0	0
13:12:47	138	3	226	-2.5	465	92	4601	1953	841	692	579	513	10	4	4	4	1	0	0	0	0	0	0
13:15:07	140	3	226	-2.7	444	81	4564	1993	826	651	567	505	10	1	3	8	0	0	0	0	0	0	0
13:17:23	136	3	226	-2.7	418	70	4711	1971	913	684	625	495	7	6	4	3	1	0	0	0	0	0	0
13:19:44	141	3	226	-2.6	418	68	4523	1779	874	691	641	511	11	5	7	3	0	0	0	0	0	0	0
13:21:59	135	3	226	-2.7	412	67	4708	1794	906	756	594	630	16	1	3	6	2	0	0	0	0	0	0
13:24:20	141	3	226	-2.6	415	79	4528	1896	840	677	543	538	17	4	5	6	1	0	0	0	0	0	0
13:31:16	138	3	226	-2.4	385	50	4622	1803	818	733	605	619	26	5	6	7	0	0	0	0	0	0	0
13:33:43	147	3	226	-2.5	363	46	4338	2307	685	547	421	354	9	3	7	4	0	0	0	0	0	0	0
13:36:08	145	3	226	-2.4	441	69	4413	2498	702	501	392	306	4	2	4	4	0	0	0	0	0	0	0
13:38:40	120	3	226	-2.3	459	87	5318	2794	814	593	488	417	6	3	3	2	0	0	0	0	0	0	0
13:43:41	151	3	226	-2.3	393	63	4221	2745	616	379	294	178	1	3	3	2	0	0	0	0	0	0	0
13:48:44	156	3	226	-2.3	425	65	4068	2217	634	496	383	325	3	3	3	2	0	0	0	0	0	0	0
13:51:21	157	3	226	-2.4	402	62	4062	2315	681	458	352	246	3	3	2	2	0	0	0	0	0	0	0
13:53:53	180	3	226	-2.2	398	66	3538	1780	614	448	372	309	3	3	4	2	0	1	0	0	0	0	0
14:01:33	180	3	226	-2.2	434	66	3547	1825	616	433	339	321	9	3	1	0	0	0	0	0	0	0	0
14:06:58	162	3	226	-2.4	429	60	3930	2331	626	428	349	188	2	1	3	2	0	0	0	0	0	0	0
14:09:40	162	3	226	-2.2	423	63	3918	2301	638	424	321	224	2	3	4	2	0	0	0	0	0	0	0
14:12:28	168	3	226	-2.2	419	64	3795	2260	608	411	310	196	3	2	4	1	0	0	0	0	0	0	0
14:15:17	170	3	226	-2.3	443	67	3769	2290	585	405	290	191	2	1	3	2	0	0	0	0	0	0	0

DATE -- 12/14/75

LOCAL TIME	SAMPLE RATE (SEC)	ALT. (M)	SIR TEMP. DEC C	RADIATION FLUX DOWN UP	TOTAL CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15
00:50:33	195	3	-3.4	730	223	455	151	65	25	31	19	28	18	11	22	0	0	0	0
09:55:26	187	3	-3.5	750	226	447	136	68	42	35	40	35	40	41	48	147	34	0	0
09:59:24	179	3	-3.2	750	270	437	132	70	40	35	42	46	37	22	41	189	34	0	0
10:01:29	175	3	-3.6	740	260	427	145	69	47	50	53	54	68	39	16	97	15	0	0
10:07:33	153	3	-3.5	795	314	343	175	59	35	39	25	33	34	31	15	49	1	0	0
10:10:38	180	3	-3.5	425	320	349	145	82	32	55	45	57	41	24	6	17	61	0	0
10:13:56	173	3	-3.5	405	344	350	154	73	53	75	40	48	15	22	13	3	0	0	0
10:15:30	174	3	-3.7	780	322	422	171	87	54	75	62	65	63	53	32	14	0	0	0
10:19:24	184	3	-3.3	780	320	3459	2556	457	33	23	29	21	19	15	5	18	0	0	0
10:22:32	178	3	-3.8	412	280	2577	2511	487	74	42	40	27	20	12	14	29	32	0	0
10:25:29	175	3	-3.9	457	424	3515	2613	474	141	67	41	35	32	43	29	31	24	0	0
10:26:20	172	3	-3.5	454	415	3606	2651	500	143	61	50	67	53	42	20	15	23	1	0
10:31:22	192	3	-3.8	429	375	3502	2522	441	127	62	43	49	40	30	40	38	35	0	0
10:32:48	182	3	-4.0	431	370	3478	2521	461	126	60	35	54	55	24	17	9	3	0	0
10:37:27	182	3	-3.9	444	395	3435	2520	452	144	61	45	52	52	32	17	7	0	0	0
10:40:20	175	3	-4.0	437	384	3630	2655	459	128	64	47	42	59	64	52	21	0	0	0
10:43:27	185	3	-4.1	427	350	3453	2625	472	133	43	25	24	33	42	51	0	0	0	0
10:46:29	180	3	-4.1	424	390	3455	2704	461	119	45	12	18	20	17	0	0	0	0	0
10:49:26	177	3	-4.1	452	335	3535	2952	454	125	50	19	15	20	0	0	0	0	0	0
10:52:24	178	3	-4.2	472	421	3580	2828	475	124	39	7	10	13	13	4	1	0	0	0
10:57:27	182	3	-3.9	444	395	3435	2520	452	144	61	45	52	52	32	17	7	0	0	0
10:40:20	175	3	-4.0	437	384	3630	2655	459	128	64	47	42	59	64	52	21	0	0	0
10:43:27	185	3	-4.1	427	350	3453	2625	472	133	43	25	24	33	42	51	0	0	0	0
10:46:29	180	3	-4.1	424	390	3455	2704	461	119	45	12	18	20	17	0	0	0	0	0
10:49:26	177	3	-4.1	452	335	3535	2952	454	125	50	19	15	20	0	0	0	0	0	0
10:52:24	178	3	-4.2	472	421	3580	2828	475	124	39	7	10	13	13	4	1	0	0	0
10:57:27	182	3	-3.9	444	395	3435	2520	452	144	61	45	52	52	32	17	7	0	0	0
10:40:20	175	3	-4.0	437	384	3630	2655	459	128	64	47	42	59	64	52	21	0	0	0
10:43:27	185	3	-4.1	427	350	3453	2625	472	133	43	25	24	33	42	51	0	0	0	0
10:46:29	180	3	-4.1	424	390	3455	2704	461	119	45	12	18	20	17	0	0	0	0	0
10:49:26	177	3	-4.1	452	335	3535	2952	454	125	50	19	15	20	0	0	0	0	0	0
10:52:24	178	3	-4.2	472	421	3580	2828	475	124	39	7	10	13	13	4	1	0	0	0
10:57:27	182	3	-3.9	444	395	3435	2520	452	144	61	45	52	52	32	17	7	0	0	0
10:40:20	175	3	-4.0	437	384	3630	2655	459	128	64	47	42	59	64	52	21	0	0	0
10:43:27	185	3	-4.1	427	350	3453	2625	472	133	43	25	24	33	42	51	0	0	0	0
10:46:29	180	3	-4.1	424	390	3455	2704	461	119	45	12	18	20	17	0	0	0	0	0
10:49:26	177	3	-4.1	452	335	3535	2952	454	125	50	19	15	20	0	0	0	0	0	0
10:52:24	178	3	-4.2	472	421	3580	2828	475	124	39	7	10	13	13	4	1	0	0	0
10:57:27	182	3	-3.9	444	395	3435	2520	452	144	61	45	52	52	32	17	7	0	0	0
10:40:20	175	3	-4.0	437	384	3630	2655	459	128	64	47	42	59	64	52	21	0	0	0
10:43:27	185	3	-4.1	427	350	3453	2625	472	133	43	25	24	33	42	51	0	0	0	0
10:46:29	180	3	-4.1	424	390	3455	2704	461	119	45	12	18	20	17	0	0	0	0	0
10:49:26	177	3	-4.1	452	335	3535	2952	454	125	50	19	15	20	0	0	0	0	0	0
10:52:24	178	3	-4.2	472	421	3580	2828	475	124	39	7	10	13	13	4	1	0	0	0
10:57:27	182	3	-3.9	444	395	3435	2520	452	144	61	45	52	52	32	17	7	0	0	0
10:40:20	175	3	-4.0	437	384	3630	2655	459	128	64	47	42	59	64	52	21	0	0	0
10:43:27	185	3	-4.1	427	350	3453	2625	472	133	43	25	24	33	42	51	0	0	0	0
10:46:29	180	3	-4.1	424	390	3455	2704	461	119	45	12	18	20	17	0	0	0	0	0
10:49:26	177	3	-4.1	452	335	3535	2952	454	125	50	19	15	20	0	0	0	0	0	0
10:52:24	178	3	-4.2	472	421	3580	2828	475	124	39	7	10	13	13	4	1	0	0	0
10:57:27	182	3	-3.9	444	395	3435	2520	452	144	61	45	52	52	32	17	7	0	0	0
10:40:20	175	3	-4.0	437	384	3630	2655	459	128	64	47	42	59	64	52	21	0	0	0
10:43:27	185	3	-4.1	427	350	3453	2625	472	133	43	25	24	33	42	51	0	0	0	0
10:46:29	180	3	-4.1	424	390	3455	2704	461	119	45	12	18	20	17	0	0	0	0	0
10:49:26	177	3	-4.1	452	335	3535	2952	454	125	50	19	15	20	0	0	0	0	0	0
10:52:24	178	3	-4.2	472	421	3580	2828	475	124	39	7	10	13	13	4	1	0	0	0
10:57:27	182	3	-3.9	444	395	3435	2520	452	144	61	45	52	52	32	17	7	0	0	0
10:40:20	175	3	-4.0	437	384	3630	2655	459	128	64	47	42	59	64	52	21	0	0	0
10:43:27	185	3	-4.1	427	350	3453	2625	472	133	43	25	24	33	42	51	0	0	0	0
10:46:29	180	3	-4.1	424	390	3455	2704	461	119	45	12	18	20	17	0	0	0	0	0
10:49:26	177	3	-4.1	452	335	3535	2952	454	125	50	19	15	20	0	0	0	0	0	0
10:52:24	178	3	-4.2	472	421	3580	2828	475	124	39	7	10	13	13	4	1	0	0	0
10:57:27	182	3	-3.9	444	395	3435	2520	452	144	61	45	52	52	32	17	7	0	0	0
10:40:20	175	3	-4.0	437	384	3630	2655	459	128	64	47	42	59	64	52	21	0	0	0
10:43:27	185	3	-4.1	427	350	3453	2625	472	133	43	25	24	33	42	51	0	0	0	0
10:46:29	180	3	-4.1	424	390	3455	2704	461	119	45	12	18	20	17	0	0	0	0	0
10:49:26	177	3	-4.1	452	335	3535	2952	454	125	50	19	15	20	0	0	0	0	0	0
10:52:24	178	3	-4.2	472	421	3580	2828	475	124	39	7	10	13	13	4	1	0	0	0
10:57:27	182	3	-3.9	444	395	3435	2520	452	144	61	45	52	52	32	17	7	0	0	0
10:40:20	175	3	-4.0	437	384	3630	2655	459	128	64	47	42	59	64	52	21	0	0	0
10:43:27	185	3	-4.1	427	350	3453	2625	472	133	43	25	24	33	42	51	0	0	0	0
10:46:29	180	3	-4.1	424	390	3455	2704	461	119	45	12	18	20	17	0	0	0	0	0
10:49:26	177	3	-4.1	452	335	3535	2952	454	125	50	19	15	20	0	0	0	0	0	0
10:52:24	178	3	-4.2	472	421	3580	2828	475	124	39	7	10	13	13	4	1	0	0	0
10:57:27	182	3	-3.9	444	395	3435	2520	452	144	61	45	52	52	32	17	7	0	0	0
10:40:20	175	3	-4.0	437	384	3630	2655	459	128	64	47	42	59	64	52	21	0	0	0
10:43:27	185	3	-4.1	427	350	3453	2625	472	133	43	25	24	33	42	51	0	0	0	0
10:46:29	180	3	-4.1	424	390	3455	2704	461	119	45	12	1							

DATE -- 12/19/75

NOTE

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE (M)	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOSE/HR	PARTICLES PER CC (X 10 ¹⁰)															NOTE					
						TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15					
09:24:08	96	4	0	-9.5	371	186	6566	5021	958	296	125	25	40	29	22	15	15	11	3	3	3	1				
09:25:30	82	4	21	-9.8	410	201	7573	5762	1098	324	134	66	56	37	20	27	17	10	7	5	3	6				
09:26:53	83	4	23	-9.5	389	208	7662	6002	989	307	125	74	44	32	25	20	15	12	7	4	3	2				
09:28:13	80	4	23	-9.9	648	210	7940	6299	942	323	128	71	57	29	22	23	21	8	6	7	4	2				
09:29:38	85	4	23	-10.0	350	208	7489	5916	946	281	133	65	42	30	26	22	9	11	2	1	5	1				
09:31:10	92	4	38	-10.1	285	214	6968	5291	1069	318	121	57	34	23	15	12	10	8	6	1	2	1				
09:32:44	94	4	38	-9.9	287	220	6764	5274	968	268	115	50	28	12	16	13	8	6	2	3	1	1				
09:34:18	94	4	38	-9.8	304	222	6814	5357	965	261	89	52	28	14	15	10	8	9	3	2	0	1				
09:35:54	96	4	44	-9.8	286	231	6665	5168	971	280	110	57	30	15	9	6	9	3	4	1	1	0				
09:37:31	97	4	54	-9.6	306	245	6552	5098	958	284	96	51	21	11	11	7	5	6	1	2	1	1				
09:39:09	98	4	54	-9.7	307	249	6516	5110	969	262	80	52	19	8	6	7	1	2	1	0	0	0				
09:40:44	95	4	54	-9.7	319	253	6706	5240	936	291	101	49	30	18	14	11	8	7	1	0	0	2				
09:42:16	92	4	54	-9.7	298	257	6940	5452	973	267	106	55	24	18	17	10	12	2	3	1	1	0				
09:43:50	94	4	67	-9.5	307	281	6765	5074	975	301	146	76	62	33	37	23	14	13	5	4	2	0				
09:45:36	106	4	67	-9.2	307	293	6009	4510	912	280	109	58	48	28	24	15	17	2	4	1	1	1				
09:47:30	114	4	67	-9.1	287	306	5834	4376	934	277	99	47	32	14	18	16	9	6	2	2	1	1				
09:49:19	109	4	67	-9.0	285	301	5579	4149	904	293	111	43	26	17	14	9	6	2	2	1	1	2				
09:51:11	112	4	67	-8.8	302	306	5706	4252	920	287	112	43	29	21	17	14	5	3	2	1	0	1				
09:53:10	119	4	45	-8.8	396	281	5372	3721	988	344	150	73	37	17	16	11	8	6	2	1	1	0				
09:54:52	102	4	13	-8.8	389	287	6279	4322	1242	392	160	60	32	21	15	14	7	6	3	3	2	1				
09:56:29	97	4	7	-8.9	489	300	6580	4985	971	336	120	57	34	16	17	14	13	7	2	5	2	1				
09:58:06	97	4	7	-9.0	414	295	6644	5190	942	251	101	54	25	18	17	15	12	8	5	4	2	1				
10:01:18	95	4	15	-8.9	439	300	6683	5078	1049	274	118	61	30	22	19	13	7	5	3	3	1	0				
10:02:54	96	4	15	-8.9	387	309	6656	5125	984	275	114	53	23	22	15	13	13	7	5	1	1	1				
10:04:31	97	4	15	-8.8	365	311	6566	5121	915	253	119	50	30	15	22	19	11	6	1	1	1	1				
10:06:04	93	4	15	-8.8	389	319	6841	5296	933	292	124	63	32	21	24	21	12	10	6	3	1	1				
10:07:37	93	4	15	-8.9	396	330	6858	5334	965	261	115	53	37	23	20	23	10	6	4	2	5	0				
10:10:42	92	4	30	-8.8	388	336	6925	5270	1029	287	132	65	37	24	29	11	15	8	7	6	3	3				
10:12:20	98	4	30	-8.8	391	342	6521	5052	892	276	109	63	39	16	22	14	10	12	3	4	5	3				
10:13:59	99	4	44	-8.7	434	349	6459	4817	1015	286	137	51	38	30	21	18	20	6	10	5	2	2				
10:15:41	102	4	44	-7.8	448	364	6258	4815	861	256	122	68	36	23	15	15	23	10	4	7	3	2				
10:17:22	101	4	44	-8.5	485	363	6289	4826	925	261	103	69	27	16	13	17	13	11	7	3	2	2				
10:19:00	98	4	59	-8.6	336	351	6542	4954	964	295	124	61	41	23	24	11	6	5	3	1	1	1				
10:21:40	115	4	59	-7.6	326	372	5520	4051	943	275	116	46	26	23	14	11	6	5	3	1	1	1				
10:23:23	103	4	59	-7.8	325	373	6211	4678	987	292	115	48	19	25	12	15	7	8	2	1	1	1				
10:25:12	109	4	59	-7.8	328	369	5945	4363	934	313	105	44	24	17	12	12	10	8	1	2	1	0				
10:27:55	103	4	59	-8.3	392	373	6212	4666	985	304	98	55	34	16	11	22	10	3	4	0	2	0				
10:30:56	121	4	32	-8.4	437	363	5278	3530	1062	366	145	66	34	19	21	14	13	5	2	1	2	1				
10:32:55	119	4	5	-8.2	414	373	5378	3563	1105	384	145	64	41	18	17	15	16	5	4	1	2	0				
10:34:56	105	4	7	-8.2	409	376	6047	4559	902	293	109	63	37	18	16	20	12	7	5	4	1	1				
10:36:40	105	4	7	-8.1	429	379	6070	4578	935	283	107	62	31	18	14	16	9	4	5	4	1	1				
10:40:25	105	4	7	-8.0	452	379	5983	4500	914	284	114	62	28	19	20	13	10	11	4	2	1	1				
10:42:12	107	4	0	-8.0	440	390	6023	4301	1064	320	144	65	39	21	20	15	14	7	5	3	4	1				
10:43:59	107	4	14	-7.9	443	387	5962	4477	920	282	116	68	28	20	19	11	8	8	5	1	1	1				
10:47:35	107	4	14	-7.8	442	388	5968	4550	885	265	119	52	29	16	13	13	11	6	3	3	0	2				
10:49:22	107	4	14	-7.8	454	389	5787	4380	899	256	104	50	27	19	14	10	17	6	2	1	2	1				
10:51:12	110	4	17	-7.8	457	393	5849	4435	887	276	104	44	30	14	15	10	13	8	5	2	4	2				
10:53:01	109	4	30	-7.8	442	391	5620	4217	879	286	98	49	27	16	14	12	10	8	2	2	0	1				
10:54:54	113	4	30	-7.8	453	396	5809	4392	928	276	90	45	31	10	16	6	8	3	1	1	1	1				
10:56:44	110	4	30	-7.7	442	394	5565	4213	857	265	102	46	31	11	8	13	7	4	4	1	1	2				

DATE -- 12/19/75

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN UP	PARTICLES PER CC (X 10 ¹)															NOTE	
						TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14		CH 15
11:00:40	121	4	44	-7.6	400 393	5246	3943	836	265	101	37	21	12	10	6	7	4	2	2	1	0	
11:02:42	122	4	44	-7.5	480 404	5234	3950	816	266	88	40	24	12	12	12	7	2	3	2	0	1	
11:04:49	127	4	44	-7.1	428 402	5007	3750	811	253	88	50	19	11	8	6	6	3	2	2	0	1	
11:07:01	132	4	44	-7.2	544 413	4829	3580	802	255	93	35	24	10	6	7	7	6	2	1	0	0	
11:09:07	126	4	44	-7.1	535 412	5061	3791	823	248	88	39	26	11	10	7	6	8	1	1	1	1	
11:10:59	112	4	44	-6.7	471 409	5717	4385	833	246	110	57	22	17	17	10	12	5	1	0	1	2	
11:12:49	110	4	55	-6.8	539 408	5840	4456	873	271	105	48	27	16	10	12	9	5	3	2	1	1	
11:14:35	106	4	58	-6.6	490 408	6005	4658	855	268	88	48	30	17	15	7	5	5	1	2	1	1	
11:16:24	109	4	58	-6.6	466 405	5842	4493	843	254	106	51	32	17	14	16	5	6	2	1	2	1	
11:18:13	109	4	58	-6.6	440 404	5835	4495	836	261	100	64	24	19	15	10	4	4	2	0	1	0	
11:19:10	10	4	58	-6.6	439 404	4038	2974	705	224	71	26	26	6	0	6	0	0	0	0	0	0	
11:19:20	10	4	58	-6.6	458 405	3865	2731	686	282	109	38	6	6	6	0	0	0	0	0	0	0	
11:19:30	10	4	58	-6.6	447 405	4096	3026	692	192	83	51	19	0	6	19	0	0	0	0	0	0	
11:19:40	10	4	58	-6.6	429 402	3705	2782	603	199	77	13	19	0	6	0	0	0	0	0	0	0	
11:26:35	153	4	78	-6.4	417 409	4157	3040	718	229	83	36	18	9	7	7	3	1	0	0	0	0	
11:29:31	176	4	78	-6.6	398 403	3616	2641	631	200	75	31	9	7	7	5	5	2	2	0	1	1	
11:32:18	167	4	78	-6.4	406 408	3827	2821	637	210	85	31	14	10	5	5	5	2	2	0	1	0	
11:37:10	151	4	78	-5.7	425 408	4209	3170	660	206	84	37	16	11	6	6	3	4	3	1	1	1	
11:46:08	209	4	107	-6.2	349 408	3044	2233	532	168	56	21	11	4	4	6	4	2	1	0	0	1	
11:48:31	143	4	107	-6.1	340 412	4442	3416	662	217	75	27	15	6	7	5	4	2	2	2	0	0	
11:51:38	187	4	107	-6.0	377 413	3420	2577	544	170	65	29	14	5	6	4	3	2	0	0	0	1	
11:54:21	163	4	107	-6.1	348 409	3894	2950	630	185	74	22	10	8	4	6	3	1	1	0	0	0	
11:57:21	180	4	107	-6.1	365 412	3551	2657	571	189	67	25	13	9	5	7	2	2	1	1	1	1	
12:00:24	183	4	107	-6.1	338 406	3477	2612	576	161	63	23	15	9	5	4	4	1	1	1	1	0	
12:03:47	203	4	75	-4.5	421 412	3142	2227	577	194	70	34	14	9	4	5	3	2	2	0	1	0	
12:06:26	159	4	51	-5.3	554 411	4008	2887	704	239	94	28	20	9	5	7	4	6	2	2	0	1	
12:09:00	154	4	51	-5.1	569 414	4127	3085	689	202	70	35	14	10	7	6	5	1	2	0	1	1	
12:11:45	165	4	51	-5.4	396 397	3848	2821	644	220	80	35	17	8	5	7	3	3	2	1	1	0	
12:14:49	184	4	19	-5.5	405 393	3462	2387	654	236	90	40	22	12	5	6	5	1	2	1	1	0	
12:17:50	181	4	5	-5.2	405 390	3522	2471	648	233	79	38	15	12	6	7	6	5	1	0	0	0	
12:21:18	208	4	5	-4.8	392 393	3056	2179	551	186	71	25	16	6	7	6	4	2	1	1	0	0	
12:24:35	197	4	5	-4.7	388 388	3235	2324	583	190	69	29	12	8	5	4	4	4	1	1	1	1	
12:27:51	196	4	5	-4.7	380 386	3242	2339	570	194	69	26	16	7	5	5	5	2	2	1	1	1	
12:31:16	205	4	5	-4.5	368 387	3108	2215	556	189	72	30	15	9	7	6	3	3	1	1	0	0	
12:34:49	213	4	5	-4.2	380 385	2989	2109	547	187	69	30	14	9	7	6	4	3	1	2	0	0	
12:38:22	213	4	5	-4.3	392 385	2986	2129	539	193	60	26	11	8	5	6	2	2	2	1	1	0	
12:42:00	218	4	5	-4.2	377 384	2919	2082	527	179	67	21	13	10	5	5	3	3	1	1	1	1	
12:49:29	226	4	5	-4.1	371 374	2811	1977	519	178	72	28	10	6	5	4	4	3	2	0	1	1	
12:53:23	234	4	5	-3.8	386 385	2722	1909	503	179	61	28	15	9	4	4	5	2	2	1	0	0	
12:57:17	234	4	5	-3.9	390 379	2714	1880	515	179	72	29	13	8	6	3	3	2	1	1	0	0	
13:01:22	245	4	5	-3.8	375 376	2601	1802	501	170	66	29	10	7	5	4	5	1	1	1	1	1	
13:05:20	238	4	5	-3.8	372 366	2678	1868	501	177	64	28	15	10	4	4	2	2	1	1	0	0	
13:09:13	233	4	5	-4.0	371 363	2735	1920	504	190	59	25	9	10	3	7	3	2	1	1	0	0	
13:13:16	243	4	5	-3.7	375 363	2619	1840	496	162	68	22	8	6	4	5	4	1	2	0	1	0	
13:17:18	242	4	5	-3.5	365 359	2630	1854	490	160	60	31	12	6	4	3	4	2	1	1	0	0	
13:21:18	240	4	36	-4.1	355 355	2645	1846	491	170	75	29	10	7	5	5	4	2	1	0	0	0	
13:25:12	234	4	36	-4.2	356 359	2723	1943	494	172	57	26	12	6	5	5	1	1	1	1	0	0	
13:29:16	244	4	36	-3.8	355 357	2602	1883	453	159	57	21	7	6	6	3	4	1	0	0	1	0	
13:33:38	262	4	36	-3.8	334 340	2424	1745	419	153	61	17	9	7	4	3	4	2	0	0	0	0	
13:38:24	286	4	36	-3.7	348 334	2225	1593	400	131	56	20	6	7	4	3	2	2	1	0	0	0	

DATE -- 12/19/75

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX		PARTICLES PER CC (X 10)															NOTE	
					DOWN	UP	TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14		CH 15
13:42:54	270	4	36	-3.8	361	347	2357	1698	419	146	49	23	9	5	2	3	1	1	1	0	0	0	0
13:57:46	342	4	46	-3.3	331	332	1957	1337	334	112	40	17	5	3	3	3	1	1	1	0	0	0	0
14:02:04	258	4	46	-3.3	432	347	2457	1748	454	151	56	21	10	5	3	2	3	1	1	1	1	1	1
14:08:02	358	4	59	-3.3	312	299	1774	1254	323	119	41	17	7	5	3	3	1	1	1	1	0	0	0
14:13:25	323	4	59	-3.4	350	313	1968	1390	368	126	43	20	8	6	2	2	1	1	0	1	0	0	0
14:18:54	329	4	59	-3.4	309	280	1935	1370	356	120	46	16	7	7	4	4	2	1	1	1	0	0	0
14:24:49	355	4	59	-3.4	318	258	1790	1268	324	120	44	17	8	4	1	1	2	0	1	1	0	0	0
14:30:20	331	4	73	-3.5	329	269	1919	1356	347	129	43	21	7	5	2	3	3	3	0	0	0	0	0
14:35:24	304	4	73	-3.4	315	254	2095	1494	373	129	51	20	10	4	2	4	3	1	1	0	0	0	0
14:40:32	308	4	73	-3.6	308	226	2063	1476	376	121	47	17	9	4	4	2	3	3	1	1	0	0	0
14:45:38	306	4	73	-3.6	279	204	2083	1508	369	123	45	16	9	3	2	3	2	2	0	0	0	0	0
14:51:28	350	4	73	-3.9	250	196	1817	1331	318	106	34	16	4	3	1	1	1	1	1	0	0	0	0
14:58:05	397	4	73	-3.8	254	171	1601	1153	278	102	38	15	5	4	2	1	1	1	0	0	0	0	0
15:04:44	399	4	73	-3.6	265	161	1595	1149	291	96	33	15	5	3	1	1	1	1	0	0	0	0	0

NOTE

LOCAL TIME	SAMPLE TIME	PROBE RANGE	ALT. (M)	AIR TEMP.	RADIATION FLUX
				DEG C	DOWN UP

PARTICLES PER CC, X 10¹⁰)

NOTE

TIME	RANGE	(H)	DEG C	DOWN	FLUX	UP	TOTAL	CH															
								1	2	3	4	5	6	7	8	9	CH10	CH11	CH12	CH13	CH14	CH15	
07:47:53	234	4	0	-3.7	6	2	2717	1976	481	160	54	22	8	4	4	3	1	1	1	1	0	0	
07:51:55	242	4	0	-3.8	8		2617	1932	443	149	51	19	9	6	2	1	2	2	0	1	0	0	
07:56:24	269	4	0	-3.8	10	4	2365	1756	384	128	52	18	9	4	2	3	1	3	2	2	0	1	
08:00:54	270	4	2	-4.2	14	4	2355	1743	393	127	47	20	9	4	2	2	3	1	0	1	0	0	
08:05:30	274	4	2	-4.3	19	5	2294	1734	368	111	47	16	7	4	3	2	2	1	1	0	0	0	
08:10:05	276	4	2	-4.2	25	6	2295	1708	384	118	48	19	7	3	1	1	1	1	1	0	0	0	
08:14:24	258	4	11	-4.4	34	7	2455	1852	395	126	46	19	9	1	1	2	1	0	0	0	0	0	
08:18:24	240	4	4	-4.5	42	8	2636	1997	423	131	47	20	8	4	1	2	2	0	1	0	1	0	
08:22:30	246	4	11	-4.5	53	9	2572	1932	417	139	46	20	11	2	2	1	1	1	1	0	0	0	
08:26:44	254	4	27	-4.5	67	12	2505	1856	426	132	53	18	9	3	2	2	1	1	1	0	0	0	
08:31:00	256	4	27	-4.5	83	14	2472	1870	399	123	51	18	6	2	2	2	1	0	1	0	0	0	
08:35:12	252	4	27	-4.5	91	16	2516	1883	412	140	46	20	7	3	1	2	1	1	0	0	0	0	
08:39:30	258	4	41	-4.5	104	18	2450	1848	395	124	49	17	9	2	2	1	1	1	1	0	0	0	
08:52:16	262	4	56	-4.7	147	25	2418	1816	381	133	48	20	11	4	0	1	0	1	2	1	0	0	
08:56:28	252	4	56	-4.7	152	26	2509	1870	417	140	48	18	7	2	3	1	0	0	1	1	0	0	
09:00:38	250	4	56	-4.7	165	28	2541	1914	411	130	48	19	10	3	2	1	1	1	1	0	0	0	
09:05:02	264	4	71	-4.8	165	29	2401	1791	387	133	53	18	8	2	3	3	1	1	0	0	0	0	
09:09:51	289	4	71	-4.7	170	29	2195	1633	357	125	49	16	7	3	2	2	1	1	0	0	0	0	
09:14:11	260	4	71	-4.8	179	31	2441	1843	377	142	41	18	9	3	1	2	2	0	1	0	0	0	
09:18:44	273	4	3	-4.5	178	30	2332	1622	453	142	64	28	9	6	2	1	0	2	1	1	0	0	
09:22:53	249	4	3	-4.4	196	30	2541	1896	430	134	51	18	6	3	1	1	0	0	1	1	0	0	
09:26:56	243	4	3	-4.3	217	36	2601	1944	439	130	50	20	9	3	2	2	1	1	0	1	0	0	
09:30:55	239	4	10	-4.2	244	39	2645	1961	458	141	49	17	10	3	2	2	1	1	0	0	0	0	
09:34:56	241	4	10	-4.2</																			

DATE -- 02/21/76

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE (M)	ALT. (M)	TEMP. C	RADIATION DOSE R	FLUX UP	PARTICLES PER CC (X 10 ⁴)															NOTE		
							TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15		
03:14:20	20	3	15	-3.3	338	107	7599	5285	1250	437	314	231	10	3	0	10	0	0	0	0	0	0	1	
03:14:40	20	3	15	-3.3	401	100	7708	5353	1260	484	311	260	22	3	0	0	3	0	0	0	0	0	0	
03:15:00	20	3	15	-3.4	402	100	7314	4917	1138	551	297	204	8	0	0	0	0	0	0	0	0	0	0	
03:15:20	20	3	15	-3.5	403	100	7452	4923	1125	558	375	455	18	0	0	0	0	0	0	0	0	0	0	
03:15:40	20	3	15	-3.7	408	101	7176	4638	1112	641	391	372	10	0	10	3	0	0	0	0	0	0	0	
03:16:00	20	3	15	-3.7	412	102	7401	4718	1115	693	417	433	26	3	6	0	0	0	0	0	0	0	0	
03:16:20	20	3	15	-3.6	414	105	7295	4385	1000	503	397	481	16	10	0	0	3	0	0	0	0	0	0	
03:16:40	20	3	15	-3.7	414	105	7259	4557	1010	557	463	446	13	0	3	3	3	0	0	0	0	0	0	
03:17:00	20	3	15	-3.7	414	105	6921	4561	981	592	340	372	8	3	0	0	0	0	0	0	0	0	0	
03:17:20	20	3	15	-3.6	410	105	7321	4310	1040	597	401	355	16	0	3	0	0	0	0	0	0	0	0	
03:17:40	20	3	15	-3.6	417	105	7157	4760	1147	554	365	292	19	0	0	0	0	0	0	0	0	0	0	
03:18:00	20	3	205	-2.6	405	95	5353	3937	375	542	420	443	43	10	6	3	3	0	0	0	0	0	0	
03:18:20	20	3	295	-3.6	391	80	5353	3937	375	542	420	443	43	10	6	3	3	0	0	0	0	0	0	
03:18:40	20	3	535	-3.7	395	83	5808	2335	301	730	701	300	328	12	17	13	13	0	0	0	0	0	0	
03:19:00	20	3	890	-4.4	404	82	8671	871	873	1281	1277	1825	1102	131	124	371	424	64	54	88	42	24	0	
03:19:20	20	3	1195	-4.4	409	103	10715	532	626	322	923	393	675	216	454	1795	2213	453	283	373	376	176	59	
03:19:40	20	3	1495	-4.7	412	130	12516	551	544	726	574	769	534	229	494	2189	2877	706	719	939	342	185	0	
03:19:50	20	3	1775	-4.7	445	197	2577	736	717	730	723	303	506	105	199	737	1134	404	464	751	284	260	0	
03:20:00	20	3	2075	-5.0	452	258	5321	825	658	858	792	651	573	151	225	744	1090	443	573	813	405	335	0	
03:20:20	20	3	2075	-5.0	452	258	9552	397	674	555	596	554	391	128	244	904	1375	626	662	967	559	340	0	
03:20:40	20	3	2075	-5.0	452	265	7827	1015	371	812	650	571	342	89	152	600	784	295	388	678	341	268	0	
03:20:50	20	3	2070	-5.0	450	272	10353	1255	369	355	369	304	596	119	208	657	1135	465	583	913	532	292	0	
03:21:00	20	3	1985	-5.0	455	272	7452	824	552	605	692	747	508	115	179	503	692	362	365	542	333	301	0	
03:21:20	20	3	1900	-5.0	453	224	3631	933	330	327	750	773	508	125	157	609	824	321	490	814	391	250	0	
03:21:40	20	3	1810	-5.0	450	200	10048	1321	1192	1002	920	632	522	147	173	633	652	385	471	856	375	308	0	
03:21:50	20	3	1720	-5.0	447	192	2744	1147	1010	1045	772	759	431	144	205	660	958	417	583	827	417	308	0	
03:22:00	20	3	1640	-4.8	442	174	7252	484	407	506	481	410	394	87	144	325	1423	455	497	1032	512	189	0	
03:22:20	20	3	1550	-4.7	437	157	7362	531	580	734	560	853	593	90	141	724	304	397	429	660	330	228	0	
03:22:40	20	3	1450	-4.6	434	144	8163	626	550	636	672	740	528	67	154	715	1033	385	394	769	455	202	0	
03:23:00	20	3	1330	-4.5	427	126	8533	593	595	911	672	544	437	147	212	922	1333	431	417	705	314	135	0	
03:23:20	20	3	1290	-4.6	422	115	6166	811	762	744	740	1071	676	109	157	635	1000	260	260	615	234	93	0	
03:23:40	20	3	1210	-4.5	412	103	7732	505	519	324	330	1026	702	30	163	615	917	304	240	481	247	119	0	
03:23:50	20	3	1120	-4.6	407	102	9294	660	602	1030	1025	1083	688	135	231	1045	1238	378	237	345	202	93	0	
03:24:00	20	3	1070	-4.5	401	82	9528	513	533	1019	1080	1301	320	144	231	708	1033	202	202	375	115	45	0	
03:24:20	20	3	950	-4.4	381	82	9240	619	574	1035	1067	1013	320	272	298	1192	1644	321	96	167	92	19	0	
03:24:40	20	3	790	-4.5	362	70	7474	1112	780	1054	1144	1452	1054	39	99	192	304	48	35	20	42	16	0	
03:25:00	20	3	690	-4.3	385	75	5775	1255	903	1093	1032	1505	737	54	71	115	71	0	15	10	3	3	0	
03:25:20	20	3	610	-4.1	395	82	5353	2077	911	849	827	1163	478	26	32	42	35	0	0	0	0	0	0	0
03:25:40	20	3	520	-4.0	401	84	5804	2544	772	731	641	737	231	19	5	13	10	0	0	0	0	0	0	0
03:25:50	20	3	470	-4.0	399	84	6036	3000	822	682	559	724	100	10	10	6	10	0	0	0	0	0	0	0
03:26:00	20	3	350	-3.9	391	85	5744	3240	878	558	391	515	42	42	3	10	3	0	0	0	0	0	0	0
03:26:20	20	3	260	-3.8	392	30	6432	3923	336	509	417	471	28	3	13	5	0	0	0	0	0	0	0	0
03:26:40	20	3	170	-3.8	388	35	5926	3873	388	474	317	337	10	3	6	3	3	0	0	0	0	0	0	0
03:26:50	20	3	90	-3.7	388	36	5234	4154	953	519	337	359	3	3	0	0	0	0	0	0	0	0	0	0
03:27:00	20	3	00	-3.6	385	80	6128	4210	917	372	201	217	0	0	10	0	0	0	0	0	0	0	0	0
03:27:20	20	3	00	-3.4	381	70	5304	4352	1013	338	285	240	10	0	3	3	0	0	0	0	0	0	0	0
03:27:40	20	3	00	-3.1	404	71	5472	4210	1102	311	12	0	0	0	0	0	0	0	0	0	0	0	0	0
03:28:00	20	3	205	-3.7	416	94	7523	5425	1703	311	12	0	0	0	0	0	0	0	0	0	0	0	0	0
03:28:20	20	3	505	-4.1	414	92	8277	5527	1803	721	24	30	3	3	0	0	0	0	0	0	0	0	0	0

DATE -- 02/21/70

LOCAL SAMPLE PROBE ALT. AIR RADIATION
TIME RANGE (M) TEMP. FLUX
(SEC) DOWN UP

PARTICLES PER CC (X 10)

NOTE

LOCAL TIME	SAMPLE RANGE (SEC)	ALT. (M)	TEMP. (C)	RADIATION DOWN	RADIATION UP	TOTAL CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15	
00:00:00	50	2	990	-4.4	424	97	7239	2347	1730	1752	92	442	118	158	53	123	57	38	36	20	12
00:11:54	54	2	1195	-4.2	430	122	11760	1000	1388	1075	581	1380	1040	719	105	113	23	30	9	1	C
00:13:00	50	2	1490	-4.7	404	213	10233	1350	1202	372	453	2353	102	1125	351	535	163	245	99	48	29
00:15:00	50	2	1775	-4.4	459	311	8261	1114	1042	755	417	1572	576	530	284	452	200	290	125	95	46
00:20:00	50	2	1775	-4.5	451	302	5529	942	550	454	271	1532	557	749	260	437	170	254	110	79	42
00:22:00	60	2	1775	-4.5	457	330	5413	1255	986	551	245	1605	522	431	207	371	120	253	103	98	48
00:24:00	20	2	1775	-3.9	450	330	4504	1253	700	353	107	933	314	401	205	303	55	208	53	38	10
00:24:40	20	2	1775	-4.2	462	222	4020	1440	457	221	90	458	500	372	99	285	125	160	51	16	35
00:25:00	20	2	1530	-4.4	454	332	5721	1223	703	452	120	715	324	537	139	487	237	236	115	103	54
00:25:20	20	2	1530	-4.4	475	270	5603	1144	747	408	167	809	200	520	228	404	109	330	106	67	32
00:25:40	20	2	1420	-4.3	470	260	5030	1425	1407	1571	190	1053	362	522	304	551	234	458	157	147	42
00:26:00	20	2	1475	-4.8	460	242	6514	1515	1302	506	210	1173	417	517	365	673	324	550	128	170	64
00:26:20	20	2	1370	-4.8	432	240	3901	1404	1715	1473	212	1018	433	519	250	571	232	420	157	122	57
00:26:40	20	2	1205	-4.8	462	214	5878	1676	2172	1855	201	1055	327	510	288	490	237	401	105	135	35
00:27:00	20	2	1190	-4.3	430	200	3920	1712	1372	1520	215	933	301	512	240	442	133	343	123	112	87
00:27:20	20	2	1115	-4.5	476	190	7650	1950	1651	1292	131	705	304	331	162	273	151	244	115	103	67
00:27:40	20	2	1070	-4.9	471	170	5029	2010	2350	1512	304	1023	237	743	144	270	93	288	103	135	49
00:28:00	20	2	590	-4.3	470	167	7612	1917	1841	1540	247	510	237	511	163	288	141	189	93	87	22
00:28:20	20	2	890	-4.8	465	151	5737	2170	1233	934	131	503	252	253	151	276	144	212	77	80	90
00:28:40	20	2	810	-4.8	465	130	8100	2440	2224	1718	231	574	131	151	87	170	119	119	58	74	29
00:29:00	20	2	740	-4.7	462	135	7292	2700	1350	1342	129	333	122	173	122	163	267	122	43	51	13
00:29:20	20	2	560	-4.6	459	131	7015	2641	1397	1500	45	259	122	202	74	163	50	106	45	35	16
00:29:40	20	2	570	-4.5	455	128	7054	2700	1333	1724	123	321	128	157	53	112	71	99	53	32	22
00:30:00	20	2	520	-4.5	454	124	7851	3770	1955	1440	80	151	98	54	22	71	13	45	32	29	19
00:30:20	20	2	490	-4.5	453	124	7933	3407	2133	1573	157	232	42	45	25	22	16	35	15	10	6
00:30:40	20	2	370	-4.4	450	126	7554	4200	1365	1109	61	166	10	26	22	12	10	3	16	8	13
00:31:00	20	2	290	-4.4	449	123	9053	5037	1304	913	35	74	16	3	3	3	3	6	5	3	0
00:31:20	20	2	220	-4.3	451	127	7715	5927	1556	311	7	12	3	C	C	C	C	C	C	C	0
00:31:40	20	2	150	-4.2	451	131	7453	5531	1551	250	12	3	C	C	C	C	C	C	C	C	0
00:32:00	20	2	70	-4.1	451	144	6683	5050	1354	122	C	3	C	C	C	C	C	C	C	C	0
00:32:20	20	2	00	-4.0	450	100	5274	5253	1543	151	13	5	C	C	C	C	C	C	C	C	0
00:32:40	60	1	00	-3.6	447	130	5355	5310	31	5	C	C	C	C	C	C	C	C	C	C	0
00:33:00	60	1	00	-3.4	449	132	5241	5203	25	7	C	C	C	C	C	C	C	C	C	C	0
00:42:00	60	1	200	-3.8	441	118	5157	5051	56	11	C	C	C	C	C	C	C	C	C	C	0
00:45:00	60	1	590	-4.2	447	115	7137	3750	230	95	19	7	7	1	3	2	0	0	1	0	0
00:46:00	60	1	890	-4.3	457	124	5051	7230	482	599	210	150	110	51	50	25	10	2	0	1	0
00:51:00	60	1	1195	-4.5	454	153	3412	2574	949	1353	673	348	222	111	89	46	21	5	1	2	0
00:54:00	60	1	1485	-4.6	475	211	7721	2366	702	1980	1002	749	454	215	113	53	25	20	6	1	0
00:55:00	50	1	1495	-4.0	478	221	5535	2447	500	1800	837	527	470	205	112	46	25	10	5	1	0
00:56:00	60	1	1495	-4.5	477	200	6413	2442	407	1230	830	556	434	200	97	60	19	11	4	1	0
00:57:00	60	1	1495	-4.5	477	200	5051	2275	339	2435	1153	512	330	169	93	41	19	11	4	0	1
00:57:40	20	1	1490	-4.4	476	203	6519	1984	551	1314	943	532	355	212	87	49	16	10	3	0	0
00:58:00	20	1	1490	-4.5	475	195	7112	2727	587	1292	937	703	478	268	99	74	22	3	3	0	0
00:58:20	20	1	1370	-4.4	475	173	5205	2917	321	1000	592	525	404	176	33	54	22	6	0	0	0
00:58:40	20	1	1250	-4.3	465	158	5559	3141	474	1189	724	434	256	202	58	25	13	16	3	0	0
00:59:00	20	1	1190	-4.3	465	154	5635	2734	301	1554	577	453	244	125	61	10	22	6	3	0	0
00:59:20	20	1	1110	-4.4	461	145	6762	3420	577	1234	747	453	227	96	45	20	6	0	0	0	0
00:59:40	20	1	1070	-4.4	459	132	7455	3927	750	1533	515	272	173	83	42	15	6	3	0	0	0
10:00:00	20	1	960	-4.2	457	126	5035	2962	1544	7022	237	87	35	22	19	0	0	3	0	0	0
10:00:20	20	1	990	-4.2	456	122	5115	2791	1342	1434	135	52	10	6	3	0	0	3	0	0	0

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NOTE

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE (M)	ALT. (M)	AIR TEMP. DEG C	RADIATION DOWN	FLUX UP	PARTICLE COUNTS (X10 ³)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
							TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
10:00:40	20	1	910	-4.2	455	125	6247	7042	551	487	22	10	10	12	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

DATE -- 02/21/76

NOTE

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE (M)	ALT. TIME DEG C	APR TIME DEG C	RADIATION FLUX DOWN	UP	PARTICLES PER CC (X 10 ⁴)															
							TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15
10:45:30	20	1	190	-3.5	472	152	1753	1750	13	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45:50	20	1	90	-3.4	472	154	1744	1715	26	3	0	0	0	0	0	0	0	0	0	0	0	0
10:46:10	20	1	90	-3.4	472	150	1535	1515	19	0	0	0	0	0	0	0	0	0	0	0	0	0
10:46:30	20	1	90	-3.9	408	89	5080	4087	520	58	0	0	0	0	0	0	0	0	0	0	0	0
10:46:50	20	2	120	-2.9	339	73	5199	4122	371	32	0	0	0	0	0	0	0	0	0	0	0	0
10:47:10	20	2	250	-3.2	357	77	6179	4755	1269	109	0	0	0	0	0	0	0	0	0	0	0	0
10:47:30	20	2	380	-3.2	395	77	6298	4952	1203	128	0	0	0	0	0	0	0	0	0	0	0	0
10:47:50	20	2	510	-3.2	393	72	7125	5487	1451	180	0	0	0	0	0	0	0	0	0	0	0	0
10:48:10	20	2	640	-3.2	390	71	7391	5542	1519	314	0	0	0	0	0	0	0	0	0	0	0	0
10:48:30	20	2	750	-3.4	355	70	8135	5365	1880	449	15	13	0	0	0	0	0	0	0	0	0	0
10:48:50	20	2	390	-3.6	398	74	8622	5651	1374	335	32	38	0	0	0	0	0	0	0	0	0	0
10:49:10	20	2	1010	-3.8	418	83	5728	3613	2667	1924	426	565	48	12	0	0	0	0	0	0	0	0
10:49:30	20	2	1140	-4.0	432	91	9131	2503	2522	1368	420	1030	150	103	42	54	35	33	22	13	13	3
10:49:50	20	2	1250	-3.8	440	112	6058	2670	1077	653	109	610	144	205	32	157	57	144	23	35	22	10
10:50:10	20	2	1400	-4.0	453	127	7208	2953	1359	1051	105	533	247	259	102	203	33	112	45	32	25	15
10:50:30	20	2	1520	-4.0	474	166	6663	2013	1301	1080	87	547	552	334	115	273	56	176	87	74	40	19
10:50:50	20	2	1650	-3.8	482	251	7571	2013	1505	1343	170	321	279	297	157	292	33	239	67	43	22	26
10:51:10	20	2	1770	-3.8	481	342	6978	1842	1442	1224	125	747	110	385	154	230	36	215	87	55	22	22
10:51:30	20	2	1775	-3.8	484	369	8112	1943	1513	1222	311	1462	256	430	135	244	39	193	73	23	23	26
10:51:50	20	2	1775	-3.8	486	359	8369	1510	1211	1019	529	3227	542	542	131	220	63	141	40	45	25	13
10:52:10	20	2	1775	-3.8	490	374	9560	1240	1113	1111	574	2737	551	500	154	311	93	135	51	20	10	13
10:52:30	20	2	1690	-4.0	444	356	8408	1342	1304	968	404	2378	596	609	135	260	50	125	51	23	26	19
10:52:50	20	2	1600	-4.1	495	314	10571	1276	1373	1132	579	2530	349	731	193	272	74	157	37	43	35	19
10:53:10	20	2	1520	-4.2	495	252	10277	1765	1274	1824	497	1077	478	542	170	295	110	247	96	37	54	10
10:53:30	20	2	1430	-4.0	494	233	9335	1747	2179	1593	321	1426	253	471	144	317	132	193	71	23	22	22
10:53:50	20	2	1350	-4.1	491	205	10369	1407	1429	1202	574	2645	1007	210	144	317	132	193	71	23	22	22
10:54:10	20	2	1250	-4.2	491	203	10369	1221	1474	1280	1015	3534	1026	503	90	43	13	45	22	10	10	3
10:54:30	20	2	1180	-4.1	491	182	10397	1571	1703	1599	1032	5242	107	526	56	103	13	22	3	3	3	3
10:54:50	20	2	1100	-4.2	492	174	9103	2623	2375	1910	272	1115	203	540	54	157	43	51	22	13	13	3
10:55:10	20	2	1010	-4.0	492	167	9507	4045	2561	2022	394	775	45	19	3	10	5	13	3	3	3	3
10:55:30	20	2	930	-4.0	491	167	9123	5734	2045	1224	53	54	3	0	0	0	0	0	0	0	0	0
10:55:50	20	2	840	-3.9	491	170	9174	5011	1747	872	22	42	0	0	0	0	0	0	0	0	0	0
10:56:10	20	2	750	-4.0	492	174	9176	5612	1355	573	22	12	0	0	0	0	0	0	0	0	0	0
10:56:30	20	2	670	-3.9	494	177	8522	6122	1855	506	22	10	0	0	0	0	0	0	0	0	0	0
10:56:50	20	2	590	-3.9	495	180	8749	5613	1523	452	5	13	0	0	0	0	0	0	0	0	0	0
10:57:10	20	2	510	-3.6	494	180	7401	5801	1423	154	10	0	0	0	0	0	0	0	0	0	0	0
10:57:30	20	2	425	-3.9	495	191	7455	5702	1533	212	0	0	0	0	0	0	0	0	0	0	0	0
10:57:50	20	2	340	-3.6	496	191	6582	5157	1375	126	0	0	0	0	0	0	0	0	0	0	0	0
10:58:10	20	2	250	-3.6	496	193	6335	4971	1292	103	10	0	0	0	0	0	0	0	0	0	0	0
10:58:30	20	2	170	-3.6	496	200	6125	4760	1280	90	0	0	0	0	0	0	0	0	0	0	0	0
10:58:50	20	2	80	-3.6	497	215	5731	4513	1157	54	0	0	0	0	0	0	0	0	0	0	0	0
10:59:10	20	2	00	-3.2	115	131	5131	3981	390	42	0	0	0	0	0	0	0	0	0	0	0	0
10:59:30	20	2	00	-2.7	498	204	4474	4800	945	250	324	121	0	0	0	0	0	0	0	0	0	0
10:59:50	20	2	100	-2.9	499	207	5782	4907	1131	359	213	157	0	0	0	0	0	0	0	0	0	0
11:00:10	20	2	210	-2.9	499	201	6571	4647	1080	436	224	176	0	0	0	0	0	0	0	0	0	0
11:00:30	20	2	320	-3.0	499	193	5352	4943	1037	452	250	136	0	0	0	0	0	0	0	0	0	0
11:00:50	20	2	420	-3.2	499	191	6222	4542	923	450	292	250	10	0	0	0	0	0	0	0	0	0
11:01:10	20	2	520	-3.4	499	195	7077	4837	1033	431	342	235	19	0	0	0	0	0	0	0	0	0
11:01:30	20	2	540	-3.5	499	182	6233	4232	1050	571	440	417	45	0	0	0	0	0	0	0	0	0
11:01:50	20	2	740	-3.5	497	176	7131	4724	1074	554	362	404	25	0	0	0	0	0	0	0	0	0

DATE -- 02/21/76

NOTE

LOCAL TIME	SAMPLE TIME (SEC)	PROCE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION: FLUX DOWN	PARTICLES PER CC (X IC)																
						TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	
11:30:40	20	4	1485	-3.4	495	171	10039	442	702	679	596	1153	1112	1061	1327	1782	202	103	154	119	234	362
11:31:00	20	4	1495	-3.4	496	174	10130	516	708	759	760	1152	1122	1029	1032	1603	138	103	151	170	407	622
11:31:20	20	4	1495	-3.4	495	181	10103	481	744	327	622	1057	1026	1090	1039	1484	173	147	144	224	426	609
11:31:40	20	4	1485	-3.4	495	181	9157	442	564	612	641	926	833	731	817	1240	205	90	186	260	647	862
11:32:00	20	4	1495	-3.5	494	172	9599	382	462	413	465	1077	1000	1026	1154	1667	196	147	196	256	439	740
11:32:40	20	4	1790	-3.6	494	170	8394	590	724	657	603	913	594	766	1051	1458	103	61	93	80	122	163
11:33:00	20	4	1300	-3.5	495	170	5333	1170	519	525	484	599	487	506	513	699	29	10	16	19	16	42
11:33:20	20	4	1220	-3.4	495	168	4734	1872	609	446	711	295	227	250	282	280	6	10	13	13	6	6
11:33:40	20	4	1130	-3.4	495	160	5590	1042	953	531	567	478	426	506	580	413	15	13	5	10	13	16
11:34:00	20	4	1040	-3.3	496	170	5006	1897	644	545	478	511	330	256	304	221	3	0	3	3	6	3
11:34:20	20	4	950	-3.4	496	170	4371	1570	713	538	410	397	279	311	407	221	0	3	5	0	3	6
11:34:40	20	4	870	-3.1	497	173	4782	2380	708	404	343	266	202	195	189	77	0	3	0	0	3	0
11:35:00	20	4	790	-3.0	496	175	5051	2590	769	471	321	224	231	189	202	51	0	3	0	0	0	0
11:35:20	20	4	690	-3.1	496	176	5038	2516	772	397	404	295	176	212	218	42	3	0	0	0	0	0
11:35:40	20	4	510	-3.0	498	176	4571	2462	528	426	280	202	170	199	170	13	0	3	0	3	0	0
11:36:00	20	4	520	-3.0	497	178	4601	2654	737	426	314	162	212	135	141	10	3	0	3	0	3	0
11:36:20	20	4	440	-2.9	498	183	4837	2855	583	359	292	192	176	141	122	6	0	0	0	0	0	0
11:36:40	20	4	350	-2.9	498	180	5215	3122	804	388	282	205	157	122	131	0	0	3	0	0	0	0
11:37:00	20	4	290	-2.9	495	179	5308	3221	937	333	250	208	157	147	87	3	0	3	0	0	0	0
11:37:20	20	4	180	-2.8	497	181	5138	3317	765	385	224	167	128	93	54	0	0	0	0	0	0	0
11:37:40	20	4	90	-2.7	496	189	5356	3462	830	253	263	136	147	122	77	0	0	0	0	0	0	0
11:38:00	20	4	00	-2.6	496	135	4001	3186	686	369	221	139	71	112	54	3	0	0	0	0	0	0

DATE -- 02/22/76

LOCAL TIME	SAMPLE RANGE (SEC)	ALT. (M)	AIR TEMP. (C)	RADIATION Dose	PARTICLES PER CC (X 10 ⁴)										NOTE						
					TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15	
07:43:00	60	4	15	-3.7	104	11	592	502	447	232	258	255	421	250	4	9	3	2	12	5	9
07:46:00	60	4	295	-4.1	117	22	454	429	274	745	772	719	965	1175	122	56	72	57	107	199	
07:49:00	60	4	602	-4.5	137	27	491	453	335	556	545	544	553	734	132	157	210	379	1000	1501	
07:52:00	60	4	922	-4.7	172	35	456	437	411	575	540	497	541	760	141	176	80	170	410	614	
07:55:00	60	4	1275	-5.1	214	50	554	449	407	443	427	410	433	593	103	93	90	176	474	655	
07:58:00	60	4	1555	-5.4	248	80	478	476	450	400	450	431	451	600	133	90	92	118	200	264	
08:01:00	60	4	1355	-5.3	291	121	541	520	422	433	432	375	343	450	138	97	93	122	273	428	
08:04:00	60	4	2175	-5.4	334	161	513	477	347	390	377	341	322	340	104	77	65	91	242	230	
08:07:00	60	4	2495	-5.7	373	212	454	475	337	339	353	322	311	384	121	107	93	153	217	214	
08:10:00	60	4	2490	-5.7	394	230	429	424	372	487	394	297	301	457	125	112	87	144	259	201	
08:13:00	60	4	2390	-5.8	396	227	450	430	401	372	305	275	311	272	131	102	74	170	222	311	
08:16:00	60	4	2300	-5.7	393	210	450	411	337	357	340	300	305	417	131	122	141	125	250	337	
08:19:00	60	4	2210	-5.6	391	213	439	350	350	314	351	340	337	440	135	93	103	119	231	333	
08:22:00	60	4	2140	-5.6	382	195	394	356	385	405	428	365	360	507	112	92	92	121	218	250	
08:25:00	60	4	2040	-5.4	372	130	331	314	250	350	347	247	272	337	93	97	71	103	179	253	
08:28:00	60	4	1970	-5.5	365	175	340	327	257	356	372	208	224	270	108	90	80	61	190	200	
08:31:00	60	4	1870	-5.5	357	155	343	301	232	352	362	338	407	591	122	77	77	100	277	202	
08:34:00	60	4	1800	-5.5	351	157	440	412	304	380	379	322	292	321	107	82	92	90	240	240	
08:37:00	60	4	1700	-5.5	346	140	442	337	263	372	311	321	321	342	112	115	87	82	247	397	
08:40:00	60	4	1620	-5.5	344	136	457	327	260	423	422	430	458	500	134	170	202	401	705		
08:43:00	60	4	1520	-5.5	336	125	423	340	327	343	340	353	395	484	128	77	51	108	258	388	
08:46:00	60	4	1450	-5.5	322	116	455	385	420	474	484	502	394	734	110	92	90	95	244	340	
08:49:00	60	4	1350	-5.5	323	108	426	407	297	430	458	525	522	924	36	156	115	135	250	291	
08:52:00	60	4	1270	-5.5	320	95	409	445	370	430	412	422	471	609	71	51	71	77	227	308	
08:55:00	60	4	1170	-5.5	316	96	452	503	410	425	390	395	362	580	108	67	80	93	151	311	
08:58:00	60	4	1100	-5.3	300	92	385	314	262	402	417	403	455	502	103	126	102	162	410	702	
09:01:00	60	4	1000	-5.1	299	94	273	309	302	304	293	237	240	342	128	103	77	150	497	670	
09:04:00	60	4	920	-5.2	295	77	265	324	221	300	272	275	269	407	127	90	113	170	518	856	
09:07:00	60	4	870	-5.1	292	73	285	208	193	352	426	288	247	273	137	93	112	182	542	1051	
09:10:00	60	4	750	-5.0	286	60	340	292	257	372	352	445	272	356	115	61	67	157	522	859	
09:13:00	60	4	640	-5.0	279	62	304	321	337	450	429	462	452	541	231	100	125	199	622	931	
09:16:00	60	4	590	-4.8	270	56	340	311	244	372	420	269	320	510	144	74	125	190	670	578	
09:19:00	60	4	470	-4.9	277	53	323	335	291	375	439	393	343	420	199	71	93	244	593	1090	
09:22:00	60	4	300	-5.0	274	52	256	362	217	500	506	218	703	1120	217	162	221	311	641	1170	
09:25:00	60	4	270	-4.9	265	50	404	394	342	523	772	519	547	971	212	90	122	141	303	548	
09:28:00	60	4	220	-4.9	260	49	389	404	372	735	724	337	342	1300	212	90	102	80	193	253	
09:31:00	60	4	150	-4.7	262	50	522	513	397	603	553	592	705	1050	105	46	50	61	52	82	
09:34:00	60	4	100	-4.6	259	29	804	459	404	535	531	529	505	715	51	13	13	75	100	100	
09:37:00	60	4	15	-4.1	269	30	304	327	591	705	505	7	9	15	17	1	0	0	0	0	
09:40:00	60	3	270	-4.7	337	56	582	1044	1121	1422	1274	135	155	332	435	70	27	75	40	00	
09:43:00	60	3	580	-5.0	365	81	560	560	471	921	900	710	132	235	1095	1573	431	214	322	153	46
09:46:00	60	3	890	-5.1	390	108	554	712	762	837	830	131	175	692	1069	348	247	429	209	09	
09:49:00	60	3	1215	-5.5	409	151	577	577	753	347	573	37	128	540	733	274	295	509	201	149	
09:52:00	60	3	1525	-5.5	434	208	6135	573	463	394	324	89	112	454	790	373	365	755	454	270	
09:55:00	60	3	1835	-5.7	450	281	5255	573	510	535	424	120	139	450	597	282	263	545	340	270	
09:58:00	60	3	2145	-5.7	469	339	5254	560	501	560	388	30	62	280	478	186	225	512	255	172	
10:01:00	60	3	2485	-5.9	495	410	5203	571	460	439	405	35	103	275	446	143	249	460	255	233	
10:04:00	60	3	2420	-5.9	500	412	5708	629	457	494	451	128	90	380	535	224	282	535	292	244	
10:07:00	60	3	2370	-5.9	489	332	5199	391	558	557	440	51	141	250	420	170	234	460	219	221	

DATE -- 02/22/76

NOTE

LOCAL TIME	SAMPLE TIME (SEC)	RANGE	ALT. (M)	AIR TEMP. C	DOWN C	RADIATION FLUX UP	PARTICLES PER CC (X 10)																
							TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15
08:45:20	20	3	2250	-5.9	480	370	1167	545	467	487	420	512	420	80	77	301	331	176	215	417	321	218	
08:45:40	20	3	2140	-5.9	474	350	5428	506	434	357	336	531	446	93	74	263	426	170	269	365	221	215	
08:46:00	20	3	2070	-5.8	472	345	5717	542	430	351	330	531	446	93	74	263	426	170	269	365	221	215	
08:46:20	20	3	1900	-5.7	459	317	5349	590	452	315	367	703	594	74	93	372	529	247	173	343	269	77	
08:46:40	20	3	1890	-5.8	461	200	5412	462	551	596	606	779	500	90	129	349	342	154	162	397	176	112	
08:47:00	20	3	1790	-5.9	459	277	5397	577	539	551	503	532	516	141	153	401	510	170	276	449	229	167	
08:47:20	20	3	1720	-5.9	455	251	5304	559	548	547	544	501	561	90	147	373	515	231	212	410	288	196	
08:47:40	20	3	1600	-5.9	452	244	5354	551	452	512	712	521	557	115	147	497	539	125	196	433	195	189	
08:48:00	20	3	1540	-5.8	445	220	7115	445	425	587	531	557	423	96	176	715	555	365	353	696	785	183	
08:48:20	20	3	1470	-5.8	442	226	6844	535	543	537	535	529	429	202	232	1037	1437	462	413	833	314	179	
08:48:40	20	3	1350	-5.6	420	219	6851	525	551	551	429	401	502	153	247	1260	1865	551	494	859	423	147	
08:49:00	20	3	1250	-5.7	434	193	5103	535	443	417	385	356	132	98	139	1125	1923	1028	560	955	622	163	
08:49:20	20	3	1190	-5.6	421	184	5217	557	410	545	510	375	172	122	221	1023	1801	974	712	1125	953	208	
08:49:40	20	3	1070	-5.4	423	155	5144	501	193	203	224	223	122	77	133	955	1735	737	721	1465	724	215	
08:49:50	20	3	1010	-5.4	422	155	5122	750	503	455	340	289	544	106	129	945	1747	798	612	1160	782	144	
08:50:10	20	3	900	-5.5	413	142	5324	340	301	423	490	449	314	119	215	1301	1952	615	606	1170	442	147	
08:50:30	20	3	820	-5.5	415	120	8798	442	420	452	540	554	428	147	180	1292	1721	621	516	837	452	157	
08:51:00	20	3	710	-5.5	412	114	5179	512	401	330	542	525	233	170	324	1375	1955	633	433	558	331	112	
08:51:20	20	3	540	-5.4	412	105	5150	520	440	606	765	830	254	100	186	949	1402	378	295	574	269	61	
08:51:40	20	3	570	-5.4	407	102	3233	523	522	913	352	294	840	173	295	371	1308	279	193	337	109	42	
08:52:00	20	3	470	-5.3	414	24	5554	457	510	508	894	1000	705	221	308	1265	1962	503	167	317	179	32	
08:52:20	20	3	360	-5.4	415	37	3037	510	539	304	1071	1170	1032	205	240	721	1103	202	54	93	43	13	
08:52:40	20	3	290	-5.4	415	35	7474	770	554	1054	1215	1470	1000	135	163	355	1102	77	35	64	29	10	
08:53:00	20	3	190	-5.4	415	34	5345	611	580	337	1215	1401	1122	35	115	237	253	29	32	29	13	16	
08:53:20	20	3	120	-5.4	416	30	5712	1074	592	1054	1122	1459	1000	45	71	110	119	29	22	32	22	10	
08:53:40	20	3	10	-5.3	414	100	5375	1500	739	1013	1032	1423	360	57	32	74	48	0	13	0	0	3	6
08:54:00	20	3	0	-5.0	328	80	5087	2250	744	514	770	597	501	35	13	13	35	10	3	0	0	0	
08:57:00	60	2	0	-4.7	404	100	3231	3226	1380	1022	40	32	6	15	3	3	3	14	4	2	1	5	12
08:58:00	60	2	0	-4.7	399	100	3172	3114	1012	1046	40	32	10	5	3	3	3	14	4	2	1	5	
08:59:00	60	2	270	-5.0	415	97	7727	3354	1371	1577	122	337	32	52	15	57	14	48	24	31	20	15	
09:00:00	60	2	580	-5.3	420	110	5745	1842	1720	1452	470	2001	388	359	84	124	33	76	27	38	27	30	
09:01:00	60	2	890	-5.2	444	157	3531	349	1044	370	417	327	310	105	274	403	104	157	38	42	18	24	
09:02:00	60	2	1210	-5.6	460	200	5845	1054	1146	786	780	5838	532	1444	259	540	149	249	100	95	49	60	
09:03:00	60	2	1520	-5.7	477	234	5743	757	515	472	171	1332	1212	1524	592	923	363	357	140	83	93	44	
09:10:00	60	2	1870	-5.7	482	350	7547	920	947	771	147	590	378	782	296	709	253	561	230	218	135	116	
09:12:00	60	2	2150	-5.9	502	404	3140	985	370	530	137	947	430	305	406	323	406	759	292	269	119	134	
09:19:40	20	2	2650	-5.1	515	436	7840	545	455	355	170	540	442	605	535	1324	667	1029	362	263	151	125	
09:20:00	20	2	2590	-5.0	514	434	3054	557	446	308	120	635	410	937	587	1487	503	937	363	256	139	103	
09:20:20	20	2	2570	-5.9	502	427	2478	1003	554	481	218	772	433	865	551	1135	526	894	337	304	106	119	
09:20:40	20	2	2440	-5.9	505	420	3534	1420	753	395	131	572	335	901	500	1176	516	894	304	272	160	93	
09:21:00	20	2	2350	-5.9	504	405	5295	1471	850	439	125	779	420	1037	554	1263	577	862	353	253	186	61	
09:21:20	20	2	2200	-5.8	503	400	7327	630	452	355	109	721	478	1003	497	1160	446	804	263	202	141	54	
09:21:40	20	2	2200	-5.9	500	333	7311	801	519	434	144	747	331	965	513	1029	407	811	221	240	77	51	
09:22:00	20	2	2140	-5.7	498	374	7087	682	530	548	90	752	426	242	449	923	324	596	256	237	109	58	
09:22:20	20	2	2070	-5.7	492	351	6973	904	785	522	151	750	249	349	301	324	340	554	157	237	90	84	
09:22:40	20	2	1970	-5.7	498	326	5929	756	875	708	112	832	321	856	340	756	311	638	208	208	64	112	
09:23:00	20	2	1850	-5.7	437	311	7353	365	1109	795	110	378	355	747	279	734	311	437	147	170	99	57	
09:23:20	20	2	1770	-5.7	480	290	6054	1322	274	762	151	550	564	821	420	772	328	500	167	138	80	54	
09:23:40	20	2	1650	-5.7	435	277	3724	1564	1170	1035	212	1157	497	721	359	772	324	449	173	167	83	42	
09:24:00	20	2	1500	-5.7	431	256	5700	1830	1370	1173	289	1566	522	776	321	724	301	429	176	131	64	38	

DATE -- 02/22/76

LOCAL TIME	SAMPLE TIME (SEC)	PROC RANGE	AL ¹ (IN)	AIR TEMP. DEC C	RADIATION FLUX DOWN	PARTICLES PER CC (X 10)																NOTE		
						TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15			
03:24:30	20	2	1470	-5.6	473	244	7346	1465	1212	779	133	1056	551	795	362	702	289	395	115	90	42	26		
03:24:40	20	2	1400	-5.6	475	219	7942	1320	1019	875	144	1189	551	776	359	715	231	343	154	74	48	25		
03:25:00	20	2	1290	-5.6	471	193	7321	1077	901	333	185	1292	503	925	292	596	205	244	103	87	54	22		
03:25:20	20	2	1200	-5.6	465	184	7670	1055	1026	821	247	1663	537	821	234	468	170	234	87	77	58	16		
03:25:40	20	2	1060	-5.7	456	174	8244	910	917	798	349	2433	565	978	231	363	115	176	45	19	29	13		
03:25:50	20	2	980	-5.6	455	161	8119	1346	1317	1061	391	1763	585	512	157	350	138	154	67	35	26	6		
03:26:10	20	2	890	-5.5	463	151	9311	2144	1573	1452	497	2173	639	577	122	240	64	122	32	35	29	16		
03:26:40	20	2	790	-5.4	461	140	8183	1821	1372	1112	717	1834	763	413	122	144	93	71	29	16	10	6		
03:27:00	20	2	690	-5.4	458	133	3192	827	509	596	103	512	202	99	35	43	22	16	3	6	13	0	13	
11:55:00	60	1	25	-2.2	517	234	550	545	5	5	0	0	0	0	0	0	0	0	0	0	0	0		
11:53:00	60	1	295	-2.7	517	231	835	873	3	2	0	0	0	0	0	0	0	0	0	0	0	0		
12:01:00	60	1	605	-2.7	514	225	1417	1404	12	1	0	0	0	0	0	0	0	0	0	0	0	0		
12:03:00	60	1	915	-3.1	514	213	2199	2146	37	5	4	29	12	2	0	0	0	0	0	0	0	0		
12:05:00	60	1	1235	-3.5	517	216	6272	5713	231	192	45	460	173	90	17	5	0	0	0	0	0	0		
12:07:00	60	1	1555	-3.6	518	244	8112	2733	2025	2334	335	58	5	3	0	1	0	0	0	0	0	0		
12:09:00	60	1	1895	-4.0	527	310	8430	2013	1678	3218	825	460	173	90	17	5	0	0	0	0	0	0	14	
12:11:00	60	1	2175	-4.0	525	403	7634	942	350	2475	1744	337	422	125	34	10	3	2	0	0	0	0	11	
12:13:00	60	1	2545	-4.2	547	461	9480	670	1009	3111	2491	1454	553	122	45	16	6	0	0	2	0	0	0	15
12:14:00	60	1	2545	-4.1	545	465	10041	513	1003	3628	2838	1310	443	125	47	24	4	3	1	0	0	0	0	0
12:16:00	20	1	2520	-3.8	550	465	9128	654	1519	3765	1923	702	298	141	77	25	6	13	0	0	0	0	0	0
12:17:10	20	1	2450	-3.8	548	454	10077	712	1702	4353	1952	856	324	99	45	26	3	3	0	0	0	0	0	0
12:17:30	20	1	2320	-3.8	549	454	8359	827	1237	3548	1596	654	266	144	54	13	6	3	0	0	0	0	0	0
12:17:50	20	1	2220	-3.9	548	440	10449	651	1534	4728	2363	779	136	48	10	13	10	0	0	0	0	0	0	0
12:18:10	20	1	2140	-4.0	545	435	11353	420	1570	5333	3125	584	103	32	6	0	0	0	0	0	0	0	0	0
12:18:50	20	1	2030	-4.0	544	422	5809	954	1510	4546	1702	506	131	58	13	6	3	0	0	0	0	0	0	0
12:19:10	20	1	1950	-4.0	542	403	10311	1067	2250	5586	1363	272	122	19	6	10	3	0	0	0	0	0	0	0
12:19:30	20	1	1850	-3.9	542	366	10269	1152	2458	5338	788	199	58	32	3	0	0	0	0	0	0	0	0	0
12:19:50	20	1	1770	-3.9	542	344	10391	1453	2594	5478	718	157	16	0	0	0	0	0	0	0	0	0	0	0
12:20:10	20	1	1650	-3.9	544	344	6298	2215	907	2256	471	202	83	48	13	3	0	0	0	0	0	0	0	0
12:20:30	20	1	1590	-4.0	546	300	4437	2593	391	747	353	224	135	29	6	6	3	0	0	0	0	0	0	0
12:20:50	20	1	1490	-3.8	544	289	5106	4054	285	394	144	115	77	26	10	0	0	0	0	0	0	0	0	0
12:21:10	20	1	1400	-3.8	541	277	5255	4423	285	253	133	74	45	29	6	10	0	0	0	0	0	0	0	0
12:21:30	20	1	1290	-3.8	540	269	4549	3920	260	340	167	125	64	48	16	10	0	0	0	0	0	0	0	0
12:21:50	20	1	1220	-3.8	541	263	5811	5240	170	213	64	45	48	16	6	3	0	0	0	0	0	0	0	0
12:22:10	20	1	1125	-3.6	538	257	4904	4763	99	22	12	0	0	0	0	0	0	0	0	0	0	0	0	0
12:22:30	20	1	1040	-3.6	535	254	4394	4894	74	22	7	0	0	0	0	0	0	0	0	0	0	0	0	0
12:22:50	20	1	920	-3.6	532	254	4478	4394	61	13	6	3	0	0	0	0	0	0	0	0	0	0	0	0
12:23:10	20	1	950	-3.6	531	250	4455	4365	67	16	3	3	0	0	0	0	0	0	0	0	0	0	0	0
12:23:30	20	1	770	-3.6	528	240	3256	3221	19	6	2	6	0	0	0	0	0	0	0	0	0	0	0	0
12:23:50	20	1	650	-3.5	526	247	3321	2285	32	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:24:10	20	1	550	-3.4	525	244	1978	1942	32	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:24:30	20	1	490	-3.4	524	240	1724	1626	26	0	35	23	0	0	0	0	0	0	0	0	0	0	0	0
12:24:50	20	1	390	-3.3	523	233	1199	1138	10	3	22	26	0	0	0	0	0	0	0	0	0	0	0	0
12:25:10	20	1	310	-3.2	522	246	1071	1061	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:25:30	20	1	210	-3.1	522	245	1010	1005	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:25:50	20	1	140	-3.0	521	247	801	801	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:26:10	20	1	40	-3.0	521	237	324	303	3	0	6	5	0	0	0	0	0	0	0	0	0	0	0	0
12:26:30	20	1	15	-2.7	521	160	728	718	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:26:50	20	2	15	-2.9	442	58	2708	713	307	266	564	253	5	0	0	0	0	0	0	0	0	0	0	0

DATE -- 02/22/76

NOTE

LOCAL SAMPLE PROBE ALT. AIR RADIATION
TIME RANGE (H) TEMP. FLUX
TIME (SEC) DOWN UP

ARTICLES PER CC (X 10)

TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15
2953	2425	502	11	17	2	0	0	0	0	0	0	0	0	0	0
4925	3545	1037	132	88	72	1	0	0	0	0	0	0	0	0	0
5290	3945	1012	195	78	64	2	0	0	0	0	0	0	0	0	0
8294	4745	1277	134	49	27	0	1	0	0	0	0	0	0	0	0
6388	4384	1409	438	46	73	0	12	6	4	4	4	1	0	0	0
7533	3353	2353	1444	195	173	3	0	0	0	0	0	0	0	0	0
9206	1379	1846	1406	730	2533	356	369	118	158	74	58	21	21	21	21
10319	1270	1532	1141	703	2143	255	209	267	413	155	156	64	43	43	43
7798	853	840	442	346	1041	151	1141	259	657	279	356	77	115	115	115
5937	433	455	301	288	1494	306	375	375	503	234	247	96	43	43	43
7346	747	612	362	295	1705	692	1141	355	657	252	237	27	42	42	42
7083	554	512	436	301	1537	857	1003	375	560	301	295	103	30	30	30
8660	510	531	375	516	1522	827	1279	505	734	314	272	67	64	64	64
3212	550	519	494	404	2375	374	1432	341	365	236	404	112	32	32	32
3053	760	872	516	309	1802	849	1130	394	620	237	296	61	28	28	28
3533	832	703	535	500	2513	753	1135	238	553	132	240	30	43	43	43
7421	744	715	452	442	2400	747	965	231	272	115	157	48	61	61	61
3650	724	779	590	631	3340	1221	1157	263	253	54	74	35	10	10	10
10176	654	682	532	830	4484	1317	1192	192	212	58	28	10	0	0	0
10112	953	1019	957	772	4115	1010	1071	183	252	32	16	10	0	0	0
5724	1154	1526	968	314	2715	728	509	92	77	29	13	0	0	0	0
10589	1545	2074	1596	931	3473	332	292	33	32	10	10	0	0	0	0
7529	1712	1855	1446	474	1567	244	103	19	29	6	0	0	0	0	0
7708	1735	2157	1626	581	1375	123	71	13	0	0	0	0	0	0	0
6490	2205	1981	1425	250	530	15	10	0	0	0	0	0	0	0	0
6702	3494	1343	1176	87	93	10	0	0	0	0	0	0	0	0	0
5885	4205	1256	407	6	10	0	0	0	0	0	0	0	0	0	0
6349	4243	1437	455	23	23	0	0	0	0	0	0	0	0	0	0
5562	4314	1465	465	87	35	0	0	0	0	0	0	0	0	0	0
6673	4303	1535	510	151	57	3	0	0	0	0	0	0	0	0	0
5039	3984	1356	413	109	74	3	0	0	0	0	0	0	0	0	0
5260	3955	1054	151	42	59	0	0	0	0	0	0	0	0	0	0
4611	3728	952	80	42	10	0	0	0	0	0	0	0	0	0	0
4827	3731	939	74	54	23	0	0	0	0	0	0	0	0	0	0
4053	3766	824	109	42	42	0	0	0	0	0	0	0	0	0	0
3962	3244	554	38	16	10	0	0	0	0	0	0	0	0	0	0
3324	2667	542	45	48	22	0	0	0	0	0	0	0	0	0	0
4407	3455	769	83	61	29	0	0	0	0	0	0	0	0	0	0
3929	3067	747	58	32	16	0	0	0	0	0	0	0	0	0	0
3795	3042	683	25	39	6	0	0	0	0	0	0	0	0	0	0
3099	2516	484	35	32	32	0	0	0	0	0	0	0	0	0	0
3607	2827	654	82	74	29	0	0	0	0	0	0	0	0	0	0
3135	2542	535	29	22	6	0	0	0	0	0	0	0	0	0	0
2715	2103	423	45	54	29	0	0	0	0	0	0	0	0	0	0
3538	2136	779	256	125	175	6	0	0	0	0	0	0	0	0	0
2830	2250	439	61	46	32	0	0	0	0	0	0	0	0	0	0
4700	3510	724	245	158	61	0	0	0	0	0	0	0	0	0	0
4974	3646	745	303	198	81	0	0	0	0	0	0	0	0	0	0
5116	3737	743	307	205	116	0	0	0	0	0	0	0	0	0	0
5291	3566	822	423	286	184	3	0	0	0	0	0	0	0	0	0

DATE -- 02/22/76

LOCAL SAMPLE PROCE AL* AIR RADIATION:
TIME TIME RANGE (M) TEMP. FLUX
(SEC) DOWN UP

PARTICLES PER CC (X 10)

NOTE

TIME	TIME RANGE (SEC)	AL*	TEMP. (M)	RADIATION: DOWN UP	TOTAL CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15
13:14:00	60	3	1250	-3.5	530	262	5531	3300	368	552	355	337	28	1	2	2	1	0	0
13:16:00	60	7	1570	-3.4	534	261	5206	2770	850	641	450	536	27	4	4	3	0	0	0
13:18:00	60	3	1895	-3.6	530	293	5032	1323	341	1040	381	1215	161	37	40	67	51	7	0
13:20:00	20	3	2510	-3.6	542	410	14185	321	212	384	1170	1016	257	522	1051	3641	3747	308	135
13:22:00	20	3	2290	-3.6	541	385	11429	153	202	795	840	773	747	449	647	2737	3343	362	96
13:24:00	20	3	2295	-3.6	541	374	10154	522	520	955	1138	1308	997	237	353	1340	1740	410	186
13:26:00	20	3	2295	-3.6	541	374	9147	473	500	1074	1213	1542	1093	153	228	940	1176	150	186
13:28:00	20	3	2210	-2.6	540	342	10058	654	712	1250	1365	1497	1186	183	279	840	1314	208	179
13:30:00	20	3	2100	-3.6	535	329	3033	545	744	1173	1190	1431	1083	131	202	503	724	112	61
13:32:00	20	3	2070	-3.2	537	313	5000	1524	531	853	865	1010	705	45	103	154	138	19	3
13:34:00	20	3	1920	-3.2	534	309	5259	1343	756	589	528	705	446	6	22	42	22	3	0
13:36:00	20	3	1600	-3.1	534	301	4578	2520	721	564	497	487	163	0	0	6	13	0	0
13:38:00	20	3	1760	-3.3	532	297	4747	2032	785	515	545	590	135	6	13	3	16	0	0
13:40:00	20	3	1690	-3.2	531	296	5115	2200	926	600	513	539	87	13	10	0	0	0	0
13:42:00	20	3	1590	-3.2	531	296	4551	2125	921	537	491	503	35	0	0	0	0	0	0
13:44:00	20	3	1620	-3.3	528	297	4002	2422	779	526	436	487	32	0	0	0	0	0	0
13:46:00	20	3	1470	-3.3	535	297	4355	2702	775	513	394	453	2	10	3	5	0	0	0
13:48:00	20	3	1370	-3.3	539	297	5003	2851	827	526	388	377	16	3	3	12	0	0	0
13:50:00	20	3	1250	-3.2	539	295	4580	2747	670	500	349	304	3	0	0	0	0	0	0
13:52:00	20	3	1210	-3.1	538	295	4987	3250	765	420	244	292	0	0	0	0	0	0	0
13:54:00	20	3	1100	-2.9	534	294	5015	3593	753	272	231	157	0	0	0	0	0	0	0
13:56:00	20	3	1040	-3.1	535	290	5208	3750	747	259	247	202	0	0	0	0	0	0	0
13:58:00	20	3	950	-2.9	541	294	5033	3597	779	378	183	150	0	0	0	0	0	0	0
14:00:00	20	3	890	-2.0	535	291	5420	3954	779	340	208	93	0	0	0	0	0	0	0
14:02:00	20	3	780	-2.9	532	293	5224	3903	744	304	247	113	0	0	0	0	0	0	0
14:04:00	20	3	710	-3.0	532	294	5275	3955	740	306	237	122	0	0	0	0	0	0	0
14:06:00	20	3	510	-3.0	534	297	5208	3902	724	276	265	123	0	0	0	0	0	0	0
14:08:00	20	3	540	-3.0	533	300	5208	3843	608	308	304	125	0	0	0	0	0	0	0
14:10:00	20	3	440	-3.0	531	293	5109	3750	744	304	195	105	0	0	0	0	0	0	0
14:12:00	20	3	370	-2.9	531	301	5012	4057	845	378	218	92	0	0	0	0	0	0	0
14:14:00	20	3	270	-2.7	534	295	4978	3623	795	232	199	74	0	0	0	0	0	0	0
14:16:00	20	3	210	-2.5	532	302	4952	3676	715	282	183	93	0	0	0	0	0	0	0
14:18:00	20	3	120	-2.4	530	304	4785	3526	789	247	154	57	0	0	0	0	0	0	0
14:20:00	20	3	0	-2.4	532	312	4994	3782	760	244	151	58	0	0	0	0	0	0	0
14:22:00	20	3	10	-2.2	532	313	4779	3531	724	231	139	54	0	0	0	0	0	0	0
14:24:00	20	3	15	-2.1	531	308	4926	3683	769	237	190	32	0	0	0	0	0	0	0
14:26:00	20	3	15	-2.1	530	322	4596	3425	737	218	154	51	0	0	0	0	0	0	0
14:28:00	20	3	320	-2.6	534	284	2737	1903	560	354	282	214	155	153	111	3	1	0	0
14:30:00	60	4	1240	-2.6	524	260	3395	1991	628	353	261	207	179	156	100	3	0	0	0
14:32:00	60	4	1550	-2.9	517	260	4300	1640	737	505	378	222	237	222	215	24	2	1	0
14:34:00	60	4	2215	-2.5	503	290	3955	1307	520	451	339	309	247	275	239	181	4	4	0
14:36:00	60	4	2540	-2.6	510	370	7909	373	532	532	495	306	350	310	951	1351	115	91	114
14:38:00	60	4	2545	-2.6	490	374	6170	513	531	523	454	663	619	613	678	923	56	59	52
14:40:00	60	4	2545	-1.9	499	357	4958	809	529	562	463	478	452	459	510	502	16	11	15
14:42:00	60	4	2540	-2.5	490	357	4107	924	558	478	381	411	339	318	337	366	17	9	2
14:44:00	20	4	2570	-3.1	527	355	3526	452	587	572	673	1157	1144	939	1215	1667	112	71	119
14:46:00	20	4	2440	-3.1	523	341	6756	452	760	596	582	814	690	708	808	997	54	32	26
14:48:00	20	4	2370	-3.0	521	337	5619	590	583	595	577	516	500	525	712	74	13	13	10
14:50:00	20	4	2280	-2.9	524	332	4413	981	663	471	429	446	352	350	362	298	13	6	0
14:52:00	20	4	2190	-2.9	525	317	3718	1043	535	478	283	359	256	292	272	21	0	10	3

DATE -- 02/22/76

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN UP	PARTICLES PER CC (X 10 ³)															NOTE		
						TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14		CH 15	
14:04:04:00	20	4	2070	-2.8	514	327	3500	1172	559	425	362	332	244	228	199	82	0	0	0	0	0	0	
14:04:04:00	20	4	1990	-2.9	514	310	3503	1230	587	455	330	250	196	221	205	51	0	0	0	0	0	0	
14:04:05:00	20	4	1890	-2.6	513	325	3760	1927	550	449	267	189	141	139	99	10	0	0	0	0	0	0	
14:04:05:00	20	4	1910	-2.7	527	312	3395	1452	571	432	275	221	151	141	125	10	0	0	0	0	0	0	
14:04:05:00	20	4	1700	-2.6	518	320	3526	1592	502	413	288	157	125	100	144	20	0	0	0	0	0	0	
14:04:06:00	20	4	1570	-2.5	532	317	3455	1775	515	353	293	153	144	147	90	0	0	0	0	0	0	0	
14:04:06:00	20	4	1520	-2.7	524	321	3455	1500	543	297	250	147	154	154	80	0	0	0	0	0	0	0	
14:04:06:40	20	4	1450	-2.6	515	320	3471	1505	551	455	285	132	151	122	93	0	0	0	0	0	0	0	
14:04:07:00	20	4	1350	-2.6	516	315	3587	1840	576	230	212	202	115	128	71	0	0	0	0	0	0	0	
14:04:07:20	20	4	1270	-2.6	527	312	3425	1541	503	235	260	203	150	128	115	0	0	0	0	0	0	0	
14:04:07:40	20	4	1160	-2.4	517	237	3612	1912	519	363	224	180	112	106	61	0	0	0	0	0	0	0	
14:04:08:00	20	4	1090	-2.3	519	234	3557	2054	519	340	234	100	139	105	37	0	0	0	0	0	0	0	
14:04:08:20	20	4	990	-2.3	555	230	3522	2193	522	303	219	172	37	93	22	0	0	0	0	0	0	0	
14:04:08:40	20	4	920	-2.3	533	282	3700	2350	542	250	209	154	30	105	32	0	0	0	0	0	0	0	
14:04:09:00	20	4	770	-2.3	503	237	3734	2106	535	337	212	173	102	129	33	0	0	0	0	0	0	0	
14:04:09:40	20	4	670	-2.2	527	284	3657	2275	571	250	215	101	106	90	10	0	0	0	0	0	0	0	
14:04:10:00	20	4	550	-2.2	529	284	3510	2087	519	317	205	161	96	99	22	0	0	0	0	0	0	0	
14:04:10:20	20	4	470	-2.2	509	291	3897	2500	548	321	182	122	102	98	25	0	0	0	0	0	0	0	
14:04:10:40	20	4	390	-2.1	504	297	3437	2170	554	290	160	135	102	90	13	0	0	0	0	0	0	0	
14:04:11:00	20	4	280	-1.5	507	284	3929	2510	590	279	187	167	90	115	8	0	0	0	0	0	0	0	
14:04:11:20	20	4	210	-1.9	514	232	3574	2343	504	260	154	30	30	64	3	0	0	0	0	0	0	0	
14:04:11:40	20	4	100	-1.8	500	235	3626	2503	505	247	125	115	74	61	6	0	0	0	0	0	0	0	
14:04:12:00	20	4	30	-1.9	503	303	3718	2513	545	223	154	129	90	54	5	0	0	0	0	0	0	0	
14:04:16:00	60	3	15	-1.1	527	315	4252	3214	581	212	120	10	0	0	0	0	0	0	0	0	0	0	
14:04:17:00	60	3	15	-1.0	531	345	4259	3202	592	220	121	17	0	0	0	0	0	0	0	0	0	0	
14:04:18:00	60	3	370	-1.6	531	300	4600	3505	755	245	130	22	2	0	0	0	0	0	0	0	0	0	
14:04:21:00	60	3	515	-2.2	491	258	5036	3903	733	274	161	57	2	0	0	0	0	0	0	0	0	0	
14:04:22:00	60	3	975	-2.2	472	216	5201	3910	781	280	177	51	0	0	0	0	0	0	0	0	0	0	
14:04:25:00	60	3	1275	-2.5	453	195	5351	4010	779	230	203	73	0	0	0	0	0	0	0	0	0	0	
14:04:27:00	60	3	1555	-2.8	432	207	5437	3956	829	337	222	100	1	0	0	0	0	0	0	0	0	0	
14:04:28:00	60	3	1375	-2.8	435	209	5376	3734	785	397	291	152	0	0	0	0	0	0	0	0	0	0	
14:04:31:00	60	3	2215	-2.8	432	232	5405	3600	794	411	215	259	0	0	0	0	0	0	0	0	0	0	
14:04:33:00	60	3	2545	-2.9	424	331	5421	3022	327	537	441	457	54	4	2	0	0	0	0	0	0	0	
14:04:34:00	60	3	2545	-2.1	444	352	5228	2011	916	700	611	614	172	12	14	0	0	0	0	0	0	0	
14:04:34:40	20	3	2540	-2.3	427	335	5115	2144	385	721	554	702	74	0	13	0	0	0	0	0	0	0	
14:04:35:00	20	3	2470	-2.9	427	361	4012	2152	532	564	432	533	61	0	19	0	0	0	0	0	0	0	
14:04:35:20	20	3	2390	-2.9	440	356	5176	2606	785	628	519	542	77	0	5	0	0	0	0	0	0	0	
14:04:35:40	20	3	2200	-2.0	437	371	5176	2958	779	490	386	471	71	0	3	0	0	0	0	0	0	0	
14:04:36:00	20	3	2190	-3.0	449	335	5574	3292	735	590	452	373	45	10	10	0	0	0	0	0	0	0	
14:04:36:20	20	3	2070	-2.0	444	346	5035	2872	721	516	430	449	20	0	3	0	0	0	0	0	0	0	
14:04:36:40	20	3	2000	-2.9	430	362	5221	3010	849	512	417	394	23	0	0	0	0	0	0	0	0	0	
14:04:37:00	20	3	1910	-2.9	442	360	5333	3365	792	503	256	235	10	0	0	0	0	0	0	0	0	0	
14:04:37:20	20	3	1870	-2.9	445	362	5243	3292	804	516	378	242	6	0	0	0	0	0	0	0	0	0	
14:04:37:40	20	3	1720	-2.9	470	375	5513	3557	855	425	273	233	3	0	0	0	0	0	0	0	0	0	
14:04:38:00	20	3	1640	-2.8	457	373	5407	3772	789	429	260	208	0	0	0	0	0	0	0	0	0	0	
14:04:38:20	20	3	1530	-2.7	468	373	5553	3975	362	340	272	203	0	0	0	0	0	0	0	0	0	0	
14:04:38:40	20	3	1400	-2.7	472	381	5221	3728	776	243	224	157	0	0	0	0	0	0	0	0	0	0	
14:04:39:00	20	3	1350	-2.6	505	383	5471	3925	799	253	224	160	0	0	0	0	0	0	0	0	0	0	
14:04:39:20	20	3	1290	-2.6	459	399	5102	3654	907	314	179	135	0	0	0	0	0	0	0	0	0	0	

DATE -- 02/22/75

LOCAL TIME	SAMPLE TIME (SEC)	PROCE	ALT. (M)	AIR TEMP. (C)	RADIATION FLUX	PARTICLES PER CC (X 10)															NOTE	
						TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14		CH15
14:33:40	20	3	1190	-2.6	479	393	5737	4170	859	353	231	122	0	0	3	0	0	0	0	0	0	0
14:40:00	20	3	1100	-2.6	490	393	5558	4106	821	314	199	115	3	0	0	0	0	0	0	0	0	0
14:40:20	20	3	1000	-2.6	483	393	5516	4093	927	275	193	119	0	3	0	0	0	0	0	0	0	0
14:40:40	20	3	970	-2.6	478	394	5026	3737	747	247	189	106	0	0	0	0	0	0	0	0	0	0
14:41:00	20	3	970	-2.4	483	396	5474	4042	907	298	179	58	0	0	0	0	0	0	0	0	0	0
14:41:20	20	3	760	-2.3	502	397	5109	3823	734	308	173	54	0	6	0	0	0	0	0	0	0	0
14:41:40	20	3	650	-2.2	475	393	5212	3821	901	301	144	45	0	0	0	0	0	0	0	0	0	0
14:42:00	20	3	580	-2.0	535	401	5026	3811	769	247	170	23	0	0	0	0	0	0	0	0	0	0
14:42:20	20	3	470	-1.9	482	403	4894	3560	804	292	122	13	0	0	3	0	0	0	0	0	0	0
14:42:40	20	3	410	-2.0	501	399	5167	3897	856	237	151	22	0	3	0	0	0	0	0	0	0	0
14:43:00	20	3	300	-2.1	508	402	5327	3971	849	282	175	45	3	0	0	0	0	0	0	0	0	0
14:43:20	20	3	200	-1.9	489	401	5080	3888	788	263	128	13	0	0	0	0	0	0	0	0	0	0
14:43:40	20	3	170	-1.8	465	409	4801	3622	904	234	128	13	0	0	0	0	0	0	0	0	0	0
14:44:00	20	3	50	-1.4	471	406	4763	3600	804	279	67	6	0	0	0	0	0	0	0	0	0	0
14:44:20	20	3	20	-1.3	464	397	4535	3304	779	285	138	20	0	0	0	0	0	0	0	0	0	0
14:44:40	20	3	75	-0.8	535	432	4423	3417	673	231	83	10	10	0	0	0	0	0	0	0	0	0

DATE -- 02/23/75

NOTE

LOCAL TIME	SAMPLE RANGE (SEC)	ALT. (M)	SUR TEMP. DEG C	RADIATION FLUX CONN UP	TOTAL CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15
15:33:00	30	1	-0.7	432	31	1575	1504	6	2	2	0	0	0	0	0	0	0	0	0
15:37:00	30	1	-1.1	427	101	1252	1220	15	0	17	0	0	0	0	0	0	0	0	0
15:40:30	30	1	-1.7	413	80	1179	1132	21	9	17	0	0	0	0	0	0	0	0	0
15:42:30	30	1	-2.2	418	82	1504	1472	19	2	11	0	0	0	0	0	0	0	0	0
15:44:20	30	1	-2.6	427	83	2234	2162	15	0	0	0	0	0	0	0	0	0	0	0
15:47:40	30	1	-3.1	430	65	2252	2157	32	5	15	0	0	0	0	0	0	0	0	0
15:49:30	30	1	-3.0	435	90	5314	3735	55	13	0	0	0	0	0	0	0	0	0	0
15:51:10	30	1	-3.2	432	97	4474	3494	584	235	150	21	13	4	0	0	0	0	0	0
15:52:50	30	1	-3.4	444	123	5304	3442	503	303	444	39	35	3	0	0	0	0	0	0
15:54:00	20	1	-3.5	445	124	6016	4105	551	712	279	132	26	3	0	0	0	0	0	0
15:54:30	20	1	-3.4	444	124	9355	5913	1313	1153	272	42	22	13	0	0	0	0	0	0
15:55:10	20	1	-3.5	447	111	3401	5067	1574	1343	240	33	25	3	10	0	0	0	0	0
15:55:30	20	1	-3.5	443	113	7872	5587	1335	1003	170	43	22	3	0	0	0	0	0	0
15:55:50	20	1	-3.4	443	95	7176	6141	542	413	48	16	13	0	0	0	0	0	0	0
15:55:10	20	1	-3.4	442	92	5615	5263	237	109	7	3	0	0	0	0	0	0	0	0
15:56:30	20	1	-3.2	445	92	4978	4830	103	42	0	0	0	0	0	0	0	0	0	0
15:56:50	20	1	-3.3	439	31	4208	4135	53	16	0	0	0	0	0	0	0	0	0	0
15:57:10	20	1	-3.2	437	80	3507	3827	61	10	0	0	0	0	0	0	0	0	0	0
15:57:30	20	1	-3.4	436	84	3515	3551	29	23	0	0	0	0	0	0	0	0	0	0
15:57:50	20	1	-3.3	435	84	3402	3355	54	16	0	0	0	0	0	0	0	0	0	0
15:58:10	20	1	-3.4	435	32	3032	3053	25	0	0	0	0	0	0	0	0	0	0	0
15:58:30	20	1	-3.3	435	81	2820	2792	19	3	0	0	0	0	0	0	0	0	0	0
15:58:50	20	1	-3.2	435	80	2304	2772	32	0	0	0	0	0	0	0	0	0	0	0
15:59:10	20	1	-3.2	434	75	2128	2105	10	0	0	0	0	0	0	0	0	0	0	0
15:59:30	20	1	-3.1	432	73	2019	1971	13	0	0	0	0	0	0	0	0	0	0	0
15:59:50	20	1	-3.1	430	75	1929	1913	15	0	0	0	0	0	0	0	0	0	0	0
16:00:10	20	1	-3.1	430	73	1253	1840	12	0	0	0	0	0	0	0	0	0	0	0
16:00:30	20	1	-3.1	429	78	1375	1356	19	0	0	0	0	0	0	0	0	0	0	0
16:00:50	20	1	-2.9	426	80	1234	1193	26	0	0	0	0	0	0	0	0	0	0	0
16:01:10	20	1	-2.9	424	80	1170	1157	10	0	0	0	0	0	0	0	0	0	0	0
16:01:30	20	1	-2.7	422	81	1039	1032	15	0	0	0	0	0	0	0	0	0	0	0
16:01:50	20	1	-2.6	421	83	920	912	6	0	0	0	0	0	0	0	0	0	0	0
16:02:10	20	1	-2.6	421	83	949	942	5	0	0	0	0	0	0	0	0	0	0	0
16:02:30	20	1	-2.6	420	84	721	712	10	0	0	0	0	0	0	0	0	0	0	0
16:02:50	20	1	-2.5	420	85	747	713	19	0	0	0	0	0	0	0	0	0	0	0
16:03:10	20	1	-2.5	419	85	636	683	2	0	0	0	0	0	0	0	0	0	0	0
16:03:30	20	1	-2.4	418	94	622	606	13	0	0	0	0	0	0	0	0	0	0	0
16:03:50	20	1	-2.3	417	77	599	532	19	3	29	0	0	0	0	0	0	0	0	0
16:03:40	30	2	-2.6	293	47	5058	4274	774	9	0	0	0	0	0	0	0	0	0	0
16:03:10	30	2	-2.5	290	40	5970	5041	917	6	0	0	0	0	0	0	0	0	0	0
16:03:30	30	2	-3.8	276	42	5550	5323	1203	13	4	0	0	0	0	0	0	0	0	0
16:03:50	30	2	-4.0	279	40	7098	5685	1338	56	6	0	0	0	0	0	0	0	0	0
16:04:00	30	2	-3.8	275	30	7382	5902	1344	120	9	0	0	0	0	0	0	0	0	0
16:04:30	30	2	-4.0	287	33	8545	5623	1553	353	0	0	0	0	0	0	0	0	0	0
16:04:50	30	2	-4.2	262	30	9538	6703	2064	729	11	36	4	0	0	0	0	0	0	0
16:05:10	30	2	-4.4	250	41	12431	4021	4409	3224	255	0	0	0	0	0	0	0	0	0
16:05:30	30	2	-4.6	262	50	21958	3543	5069	4052	1602	5955	1010	451	112	62	14	0	0	0
16:05:50	30	2	-4.7	262	51	13682	2724	3385	3220	757	2222	346	245	71	111	13	0	0	0
16:06:10	30	2	-4.6	261	52	19179	2902	5721	4421	1073	2109	415	229	77	115	28	0	0	0
16:06:30	30	2	-4.7	258	54	17000	3735	5842	4222	771	1757	338	241	55	173	92	28	0	0

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NOTE

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE (M)	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	PARTICLES PER CC (X 10 ⁶)															CH15			
						TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14				
16:47:20	30	2	2370	-4.7	257	55	18000	3697	5320	4455	850	2770	404	353	98	156	81	66	28	17	17	11	6	13
16:47:40	20	2	2370	-4.9	256	54	18235	3673	5010	4064	1035	3231	532	385	103	141	22	42	10	13	6	13	6	13
16:48:00	20	2	2290	-4.7	255	54	20602	3615	5077	4058	1404	4329	611	455	80	111	29	54	13	16	3	3	3	3
16:48:20	20	2	2190	-4.7	255	43	22443	3775	5708	4423	1349	5345	593	288	51	61	13	16	7	6	3	3	3	3
16:48:40	20	2	2100	-4.7	253	45	12744	3064	3862	2878	440	1345	240	292	77	199	37	126	26	78	25	22	22	22
16:49:00	20	2	2020	-4.7	249	40	13551	4115	4943	3506	772	333	45	32	5	20	5	10	3	3	3	3	3	3
16:49:20	20	2	1870	-4.6	244	39	11372	4154	3278	2545	100	277	42	23	13	23	15	29	13	13	6	3	3	3
16:49:40	20	2	1840	-4.8	243	35	10401	4533	3473	1387	80	150	12	25	12	30	12	16	5	10	3	3	3	3
16:50:00	20	2	1750	-4.7	245	30	10003	5517	2724	1186	51	24	6	19	10	6	3	3	3	3	3	3	3	3
16:50:20	20	2	1550	-4.5	252	35	8728	5182	1353	541	20	15	6	3	0	0	0	0	0	0	0	0	0	0
16:50:40	20	2	1580	-4.5	245	34	3103	5700	1953	481	17	6	0	0	0	0	0	0	0	0	0	0	0	0
16:51:00	20	2	1490	-4.5	245	34	9224	5183	1535	412	3	19	0	0	0	0	0	0	0	0	0	0	0	0
16:51:20	20	2	1400	-4.4	236	34	8551	5620	1519	292	13	10	0	0	0	0	0	0	0	0	0	0	0	0
16:51:40	20	2	1320	-4.3	239	33	7955	5022	1612	231	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:52:00	20	2	1230	-4.3	236	32	7811	5154	1460	173	10	9	0	0	0	0	0	0	0	0	0	0	0	0
16:52:20	20	2	1140	-4.2	242	33	7735	5173	1459	122	13	3	0	0	0	0	0	0	0	0	0	0	0	0
16:52:40	20	2	1050	-4.2	245	32	7510	5901	1471	125	0	3	0	0	0	0	0	0	0	0	0	0	0	0
16:53:00	20	2	950	-4.2	244	34	7179	5795	1301	74	10	0	0	0	0	0	0	0	0	0	0	0	0	0
16:53:20	20	2	880	-4.2	245	34	7018	5622	1266	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:53:40	20	2	790	-4.1	244	34	5822	5321	1224	71	3	3	0	0	0	0	0	0	0	0	0	0	0	0
16:54:00	20	2	700	-4.1	241	34	6860	5365	1203	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:54:20	20	2	610	-4.0	241	34	6535	5443	1131	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:54:40	20	2	520	-4.0	239	35	5861	4932	917	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:55:00	20	2	440	-3.9	239	35	5934	4962	1005	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:55:20	20	2	350	-3.8	238	34	5599	4685	587	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:55:40	20	2	270	-3.7	231	35	5423	4450	317	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:56:00	20	2	180	-3.6	231	34	5202	4280	901	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:56:20	20	2	90	-3.6	225	32	4904	4135	747	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:56:40	20	2	00	-3.4	221	28	4603	3902	692	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00:00	30	3	200	-3.1	201	25	5533	4872	353	400	274	75	2	4	4	4	4	2	0	0	0	0	0	0
17:01:30	30	3	200	-3.2	192	25	6626	4855	327	455	288	32	2	0	0	0	0	0	0	0	0	0	0	0
17:03:30	30	3	595	-3.4	185	27	6923	5028	372	413	303	192	2	0	0	0	0	0	0	0	0	0	0	0
17:04:30	30	2	895	-3.5	190	27	7032	4765	953	558	444	276	9	2	6	0	0	0	0	0	0	0	0	0
17:05:30	30	3	1195	-3.6	188	25	5534	4004	1063	524	440	330	13	0	0	0	0	0	0	0	0	0	0	0
17:09:00	30	3	1485	-3.8	165	23	5786	3788	1045	744	575	502	51	0	0	0	0	0	0	0	0	0	0	0
17:12:00	30	3	1775	-4.0	144	20	7782	2267	1571	1233	1021	1275	721	23	13	20	13	0	0	0	0	0	0	0
17:13:30	30	3	2075	-4.1	148	22	11541	1660	1744	1244	1780	3141	1558	122	120	190	241	41	13	13	2	2	2	2
17:14:30	30	3	2375	-4.0	143	22	10207	1733	1530	1597	1535	1773	1306	51	49	122	171	33	23	41	39	11	11	11
17:15:00	30	3	2375	-4.1	142	22	8344	1575	1331	1278	1269	1241	524	91	41	82	158	20	13	32	11	4	4	4
17:18:10	30	3	2375	-4.3	128	29	17090	1739	1637	2339	2312	2724	2197	237	349	1107	1577	348	185	254	155	52	52	52
17:18:40	30	3	2375	-4.4	121	30	13768	1756	1761	2575	2724	3200	2791	238	452	1100	1703	562	197	271	213	73	73	73
17:20:00	20	3	2280	-4.5	109	25	10539	744	631	1240	1381	1502	1234	240	369	1186	1747	317	95	151	71	29	29	29
17:20:30	20	3	2190	-4.4	103	21	20756	1404	1295	2491	2593	3077	2490	577	560	2080	3013	310	199	240	105	19	19	19
17:20:40	20	3	2100	-4.4	101	19	20571	1156	1295	2640	2734	2400	2012	712	779	1827	2394	244	71	64	12	0	0	0
17:21:00	20	3	2020	-4.4	93	17	13744	1623	1735	2750	3020	2392	2533	397	401	901	1154	125	45	93	13	10	10	10
17:21:20	20	3	1970	-4.3	97	10	13375	1651	1984	2054	2224	2392	1699	144	157	304	308	26	14	12	22	0	0	0
17:21:40	20	3	1840	-4.3	94	15	9378	1703	1760	1724	1525	1933	333	35	51	74	77	0	3	0	0	0	0	0
17:22:00	20	2	1750	-4.2	91	15	8590	1805	1571	1557	1275	1529	600	42	29	50	29	0	0	0	0	0	0	0
17:22:20	20	3	1650	-4.2	89	14	8439	2343	1385	1301	1087	1304	420	19	26	22	26	0	0	0	0	0	0	0
17:22:40	20	3	1500	-4.2	87	14	7029	2375	1457	1025	927	517	327	13	22	13	6	0	0	0	0	0	0	0

DATE -- 02/23/76

NOTE

LOCAL TIME	SAMPLE TIME (SEC)	PROG	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN UF	PARTICLES PER CC (X 1C)																		
						TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15			
17:23:00	20	3	1490	-4.2	85	14	7449	2824	1465	1179	949	383	139	5	13	10	16	0	0	0	0	0	0	0
17:23:20	20	3	1400	-4.1	86	14	6571	2859	1269	923	609	747	128	15	10	3	6	0	0	0	0	0	0	0
17:23:40	20	3	1320	-4.0	85	13	5205	3080	1083	724	551	505	42	15	3	0	0	0	0	0	0	0	0	0
17:24:00	20	3	1270	-4.0	84	13	6064	3252	1056	644	516	434	10	6	10	0	0	0	0	0	0	0	0	0
17:24:20	20	3	1140	-4.0	82	13	6295	3737	974	628	551	335	13	0	6	0	0	0	0	0	0	0	0	0
17:24:40	20	3	1050	-4.0	80	13	6253	3854	946	577	397	413	20	0	0	0	0	0	0	0	0	0	0	0
17:25:00	20	3	960	-3.9	78	12	6372	4355	1087	660	420	237	5	3	0	0	0	0	0	0	0	0	0	0
17:25:20	20	3	880	-3.8	77	12	5910	3823	936	455	420	250	13	0	3	0	0	0	0	0	0	0	0	0
17:25:40	20	3	790	-3.8	76	12	5434	4327	1005	500	413	240	0	3	0	0	0	0	0	0	0	0	0	0
17:26:00	20	3	700	-3.8	75	12	5011	4064	853	439	343	192	0	0	3	0	0	0	0	0	0	0	0	0
17:26:20	20	3	610	-3.7	75	12	6353	4439	997	437	355	153	0	0	0	0	0	0	0	0	0	0	0	0
17:26:40	20	3	520	-3.7	74	12	6455	4550	933	455	292	183	0	0	0	0	0	0	0	0	0	0	0	0
17:27:00	20	3	440	-3.6	73	13	5465	4540	949	452	340	163	0	0	0	0	0	0	0	0	0	0	0	0
17:27:20	20	3	350	-3.6	72	12	6324	4500	885	455	327	151	0	0	0	0	0	0	0	0	0	0	0	0
17:27:40	20	3	270	-3.7	71	12	6429	4445	1003	478	340	150	0	0	0	0	0	0	0	0	0	0	0	0
17:28:00	20	3	180	-3.4	69	12	6186	4502	930	333	266	138	0	0	0	0	0	0	0	0	0	0	0	0
17:28:20	20	3	90	-3.4	68	12	6314	4625	913	423	269	80	0	0	0	0	0	0	0	0	0	0	0	0
17:28:40	20	3	00	-3.3	5	12	6385	4657	978	417	265	61	0	0	0	0	0	0	0	0	0	0	0	0
17:30:10	30	4	00	-2.9	62	11	5011	2653	310	493	365	254	137	143	77	4	2	0	0	0	0	0	0	0
17:31:40	30	4	05	-2.9	60	11	4774	2467	753	504	378	233	147	160	62	2	2	0	0	0	0	0	0	0
17:32:10	30	4	295	-3.1	54	10	4855	2265	793	577	400	236	186	226	111	0	0	0	0	0	0	0	0	0
17:33:40	30	4	595	-3.4	48	9	5254	2330	878	620	423	344	254	197	162	0	0	0	0	0	0	0	0	0
17:35:10	30	4	395	-3.5	44	3	5278	1939	1013	550	515	373	261	291	207	13	2	0	0	0	0	0	0	0
17:36:40	30	4	1185	-3.7	41	7	5917	1333	1212	1021	647	571	417	380	389	87	6	13	3	4	13	4	13	4
17:38:10	30	4	1395	-3.8	41	7	6835	1137	1402	1071	765	553	530	513	532	284	6	13	3	4	13	4	13	4
17:39:40	30	4	1695	-4.2	36	7	12049	1171	1677	1547	1208	1297	1171	1058	1241	1340	57	51	32	20	34	41	13	4
17:41:00	30	4	1375	-4.4	33	8	17705	1470	1363	1209	1092	1739	1788	1733	1846	2694	341	298	261	261	566	784	1301	4
17:42:50	30	4	2375	-4.5	31	9	22256	1565	1363	1275	1282	2024	1904	2062	2020	415	291	295	472	785	1301	4519	291	4
17:43:20	30	4	2375	-4.5	29	9	21278	1577	1485	1552	1375	2123	1349	1983	2137	3215	519	308	357	432	901	1395	445	4
17:44:39	29	4	2375	-4.6	28	9	21379	1565	1437	1562	1302	2047	1692	1782	2080	2964	445	298	347	555	1322	1978	500	4
17:44:50	11	4	2375	-4.6	27	9	22302	1801	1234	1485	1230	2010	1634	1634	1707	2270	425	373	431	775	1353	3310	500	4
17:44:40	20	4	2280	-4.7	27	8	21843	1522	1449	1377	1314	1800	1724	1715	1780	2875	500	330	365	596	1773	2702	500	4
17:44:40	20	4	2190	-4.7	25	7	22250	1542	1359	1330	1282	2135	2234	2071	2433	3551	615	397	401	500	933	1397	500	4
17:45:00	20	4	2090	-4.6	24	6	21878	1622	1298	1823	1237	2135	2170	2100	2321	3280	667	356	340	535	971	1410	500	4
17:45:20	20	4	2000	-4.6	24	6	19446	1350	1734	1503	1455	2157	1309	1307	2258	2350	410	136	193	193	759	452	500	4
17:45:40	20	4	1910	-4.5	23	5	15856	1227	1582	1564	1429	1063	1000	1888	1808	2452	212	74	99	54	176	202	500	4
17:46:20	20	4	1730	-4.5	19	5	14430	1269	1583	1539	1381	1551	1462	1426	1571	1952	153	54	61	96	90	139	500	4
17:46:40	20	4	1640	-4.5	16	5	10891	1064	1705	1558	1212	1135	1042	962	987	1064	35	22	13	19	29	78	500	4
17:47:00	20	4	1550	-4.5	18	5	10531	1157	1744	1582	1260	1077	1059	301	397	885	38	29	13	13	22	16	500	4
17:47:20	20	4	1460	-4.4	16	5	5462	1221	1772	1474	1045	1015	800	744	680	587	22	10	22	10	19	19	500	4
17:47:40	20	4	1370	-4.3	18	5	7824	1283	1463	1115	935	772	570	577	538	413	10	6	3	6	6	10	500	4
17:48:00	20	4	1270	-4.2	18	4	7314	1154	1522	1132	840	544	538	522	545	240	5	0	3	0	6	0	500	4
17:48:20	20	4	1180	-4.2	16	4	6087	1122	1252	901	753	458	516	436	455	121	10	3	3	3	7	0	500	4
17:48:40	20	4	1090	-4.2	17	4	5676	1330	1378	978	705	653	554	538	413	93	10	3	0	0	0	0	500	4
17:49:00	20	4	1000	-4.1	17	4	5535	1304	1308	811	622	427	324	346	369	54	6	0	0	0	0	0	500	4
17:49:20	20	4	910	-4.1	15	4	5962	1474	1282	855	571	515	429	385	378	32	0	0	0	0	0	0	500	4
17:49:40	20	4	820	-4.0	15	4	5801	1622	1167	843	583	484	381	369	314	28	0	0	0	0	0	0	500	4
17:50:00	20	4	720	-3.9	15	4	5359	1715	1038	921	503	423	327	253	240	10	6	0	0	0	0	0	500	4
17:50:20	20	4	640	-3.5	14	4	5202	1843	904	728	462	433	295	238	208	13	3	0	0	0	0	0	500	4
17:50:40	20	4	550	-3.3	14	4	5301	1753	1103	763	542	372	314	244	199	10	0	0	0	0	0	0	500	4

DATE -- 02/23/76

LOCAL TIME	SAMPLE TIME RANGE (SEC)	PROBE RANGE (M)	ALT. (M)	AIR TEMP. DEG C	RADIATION: DOWN UP	FLUX	PARTICLES PER CC (X 10)															NOTE	
							TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14		CH 15
17:51:00	20	4	450	-3.8	12	4	5333	1817	1090	721	551	765	285	266	221	6	0	0	3	0	0	0	0
17:51:20	20	4	350	-3.7	12	4	5054	1952	923	557	500	435	282	237	147	6	0	0	0	0	6	0	0
17:51:40	20	4	270	-3.6	12	4	5487	2255	1042	670	487	353	234	263	141	0	0	0	0	0	0	3	0
17:52:00	20	4	190	-3.6	12	4	4753	2237	937	526	353	238	212	205	96	0	6	0	3	0	0	0	0
17:52:20	20	4	90	-3.5	11	4	4020	2353	821	577	359	253	250	221	74	3	3	6	0	0	0	0	0
17:52:40	20	4	70	-3.4	11	4	4355	2253	374	545	365	317	192	215	74	3	3	6	0	3	3	0	0

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN UP	PARTICLES PER CC (X 10 ¹⁰)															NOTE	
						TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14		CH 15
07:15:50	30	1	-45	-1.0	2	6851	4064	1765	752	105	50	38	24	6	4	9	6	4	4	6	13	21
07:16:40	30	1	245	-1.0	2	6530	3233	1342	1053	190	38	34	15	11	11	9	11	4	2	6	4	
07:20:30	30	1	545	-1.3	2	6769	2496	1716	1402	190	342	167	82	32	11	2	37	9	5	2	6	
07:22:40	30	1	865	-1.5	2	7143	2143	1761	1573	683	434	263	105	75	32	15	17	10	6	3	11	
07:24:20	30	1	1175	-1.9	2	7436	2365	1823	1293	572	429	238	145	77	45	24	24	21	15	11	24	
07:26:20	30	1	1405	-2.1	2	7329	1955	1563	1528	340	511	470	197	85	51	29	15	24	21	15	10	
07:28:00	30	1	1965	-2.4	2	8132	2000	2072	1400	914	735	504	201	100	66	32	40	29	28	21	19	
07:30:50	30	1	1505	-2.5	2	8034	2125	1376	1433	743	557	528	256	119	113	45	41	17	15	34	15	
07:32:50	30	1	1195	-2.5	2	7610	2082	1771	1274	737	597	520	241	130	115	43	26	41	17	21	13	
07:34:40	30	1	865	-2.3	2	7714	2115	1330	1532	671	535	442	192	83	51	23	21	24	15	11	9	
07:36:40	30	1	545	-2.1	2	7321	2150	1938	1472	771	634	410	167	43	32	17	0	11	30	9	13	
07:38:40	30	1	275	-1.9	2	6375	2231	1325	1234	593	425	303	54	47	21	9	13	13	3	0	11	
07:40:50	30	1	05	-1.6	2	6735	2579	1771	1270	479	256	150	40	25	15	4	13	2	0	4	11	
07:42:50	30	1	05	-1.4	2	6756	3297	1914	1132	232	135	33	11	9	4	8	2	4	2	4	0	
07:44:40	30	1	05	-1.3	2	6997	3280	1677	1238	253	118	66	11	11	2	9	11	2	0	4	6	
07:46:10	30	1	05	-1.4	2	6370	2933	1795	1137	231	124	36	11	3	5	11	9	4	2	0	0	
07:48:50	30	1	05	-1.4	2	6147	2917	1679	1135	194	120	42	9	13	9	2	2	4	2	0	2	
07:50:50	30	2	265	-1.2	2	9132	2294	2720	332	1125	1562	229	103	33	33	45	21	15	13	13	2	
07:52:40	30	2	550	-1.4	2	5970	2351	2925	791	1215	1515	470	224	199	100	113	45	32	15	17	9	
07:54:20	30	2	855	-1.6	2	3353	2270	2735	775	1023	1455	435	224	273	132	205	50	93	33	23	15	
07:56:10	30	2	1195	-1.8	2	10410	2282	2571	761	875	1393	580	272	449	314	314	145	109	81	43	24	
07:58:00	30	2	1495	-2.0	2	2034	2011	2332	732	754	1000	410	274	413	303	333	158	167	95	72	41	
08:00:10	30	2	1195	-1.9	2	10881	2500	3113	737	1305	1232	442	234	259	220	262	137	110	93	40	30	
08:02:10	30	2	875	-1.8	2	3744	2454	2532	748	927	374	443	235	305	239	238	154	111	50	73	30	
08:04:10	30	2	595	-1.6	2	9746	2637	2910	204	925	1000	542	170	224	209	229	113	60	41	24	19	
08:06:00	30	2	295	-1.4	2	9458	2408	2694	759	1145	1332	253	134	199	92	122	73	51	15	13	0	
08:07:50	30	2	35	-1.3	2	7358	2297	2502	703	974	1116	167	53	77	23	11	0	2	11	0	0	
08:09:40	30	2	75	-1.2	2	8254	2475	2513	735	1000	1094	141	75	72	15	19	2	4	0	0	0	
08:11:30	30	1	10	-1.7	2	4539	3951	444	162	4	0	2	0	0	0	5	2	2	2	0	0	
08:13:00	30	1	275	-2	2	6250	2940	1872	1175	171	34	12	12	12	5	2	2	2	2	0	0	
08:14:50	30	1	575	-2	2	8152	2555	2271	2593	602	220	107	49	24	17	11	11	4	11	4	11	
08:16:50	30	1	865	-2.5	2	6434	2081	1305	1451	277	495	216	118	38	30	30	13	17	17	17	9	
08:21:30	30	1	1195	-2.7	2	5528	2233	1507	1147	443	363	355	179	50	50	51	23	21	11	15	13	
08:23:30	30	1	1495	-2.8	2	6276	2192	1588	1150	235	262	241	162	141	60	47	43	33	21	17	24	
08:25:30	30	1	1495	-2.8	2	6545	2314	1542	1135	250	274	241	156	109	52	52	45	43	20	34	21	
08:27:40	30	1	1495	-2.8	2	6517	2378	1515	1184	272	255	209	165	100	54	71	47	26	28	30	30	
08:29:30	30	1	1495	-2.9	2	7246	2457	1520	1457	494	340	291	159	124	50	75	30	23	30	15	29	
08:31:50	20	1	1440	-2.9	2	7256	2440	1554	1458	554	731	321	170	119	95	58	35	25	23	18	12	
08:33:40	20	1	1390	-2.5	2	7022	2227	1355	1487	641	588	317	189	103	46	45	51	35	22	12	12	
08:35:30	20	1	1280	-2.9	2	7147	2322	1357	1259	636	443	310	205	80	90	57	20	13	13	13	13	
08:37:50	20	1	1105	-2.7	2	7071	2130	1105	1449	697	502	304	147	50	51	20	13	13	13	13	13	
08:39:30	20	1	1070	-2.7	2	7138	1673	1051	1025	1025	935	329	154	74	43	26	16	16	16	16	16	
08:41:50	20	1	930	-2.6	2	6978	1381	1417	1712	1080	734	401	128	45	19	12	12	12	12	12	12	
08:43:10	20	1	850	-2.5	2	5368	1702	971	1705	1035	924	391	144	45	42	16	10	10	10	10	10	
08:45:30	20	1	760	-2.6	2	5548	2100	865	1096	506	452	237	98	64	22	25	10	12	7	6	6	
08:47:30	20	1	690	-2.5	2	7096	2321	1297	1343	724	525	262	103	48	22	16	10	10	10	10	10	
08:49:10	20	1	590	-2.5	2	5694	2092	1154	1349	531	203	102	90	38	19	19	10	10	10	10	10	

DATE -- 02/25/76

NOTE

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP.	RADIATION DOWN	FLUX U*	PARTICLES PER CC (X 10 ¹⁰)															CH15
							TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	
13:04:20	20	3	14.70	-0.3	465	263	11471	1542	1250	1614	1657	1852	455	218	465	968	549	135	189	138	67	160
13:04:40	20	3	13.60	-0.4	461	242	11501	1702	1343	1554	1554	1337	452	202	490	1022	500	93	208	147	96	150
13:05:00	20	3	12.40	-0.4	455	226	11655	1651	1298	1670	1676	1949	404	224	526	1151	554	115	205	131	80	151
13:05:20	20	3	11.70	-0.3	452	211	11009	1434	1170	1553	1432	1923	446	192	500	1016	554	93	212	179	93	157
13:05:40	20	3	10.60	-0.3	440	192	11427	1413	1368	1600	1439	2016	455	215	471	1154	593	112	189	160	83	125
13:06:00	20	3	9.90	-0.4	440	150	11404	1345	1263	1670	1391	1702	503	221	534	1224	699	144	208	229	61	193
13:06:20	20	3	9.90	-0.4	430	140	11703	1405	1185	1571	1522	1974	571	240	513	1231	740	157	247	179	64	103
13:06:40	20	3	9.10	-0.3	433	125	11442	1233	1212	1536	1423	1372	548	208	503	1223	843	154	170	173	90	125
13:07:00	20	3	7.00	-0.3	420	110	10528	1269	1228	1532	1412	1696	535	240	442	885	590	122	186	106	74	122
13:07:20	20	3	5.30	-0.3	424	103	10268	1375	1137	1474	1423	1445	558	210	352	853	605	131	202	231	122	131
13:07:40	20	3	5.20	-0.2	419	102	10577	1258	1064	1292	1132	1503	497	138	372	971	504	288	413	346	183	212
13:08:00	20	3	4.90	-0.2	418	92	11304	1331	1099	1458	1349	1715	515	157	442	1163	346	353	481	385	167	202
13:08:20	20	3	3.60	-0.1	415	75	10537	1100	1050	1385	1199	1554	452	167	442	1183	872	298	369	365	131	125
13:08:40	20	3	2.90	-0.0	410	75	10173	1234	1032	1453	1317	1535	459	167	404	955	539	196	256	231	54	115
13:09:00	20	3	1.80	-0.0	405	58	9509	1051	946	1250	1228	1468	526	202	455	978	910	205	202	160	48	71
13:09:20	20	3	1.70	-0.1	403	50	10384	1324	1095	1440	1218	1533	531	224	510	1130	1071	244	179	183	93	48
13:09:40	20	3	0.00	-0.2	401	52	10712	1343	1228	1478	1253	1420	504	208	500	1202	968	192	160	131	42	16
13:10:00	20	3	0.00	-0.3	404	44	7362	1083	317	1337	1228	1355	542	192	359	567	397	22	10	22	13	6
13:10:20	20	3	0.00	-0.3	404	43	9468	1265	1100	1484	1224	1452	763	199	401	872	553	64	35	19	19	3
13:11:40	30	1	0.00	-0.1	3	44	12333	10410	353	931	35	9	0	9	4	4	5	2	4	2	4	2
13:12:00	30	1	2.60	-0.1	410	72	11803	9162	1109	2024	239	107	56	38	11	4	9	11	6	6	15	6
13:12:20	30	1	5.90	-0.1	403	91	11444	5922	1132	2132	442	291	152	90	62	47	15	15	4	15	9	17
13:12:40	30	1	8.60	-0.3	421	131	10748	5882	964	1925	767	511	299	145	83	52	47	21	13	12	17	17
13:13:00	30	1	11.90	-0.4	435	195	10774	5547	1107	2233	799	310	267	132	119	53	47	32	17	24	19	15
13:13:20	30	1	14.00	-0.2	461	273	9328	4753	375	1489	453	432	421	278	173	124	77	34	24	15	21	26
13:13:40	30	1	14.20	-0.3	463	275	9554	4632	395	1510	369	407	413	295	153	113	80	42	42	13	5	19
13:14:00	30	1	14.70	-0.3	481	271	8533	4516	358	1487	429	381	436	228	186	93	77	54	29	22	13	22
13:14:20	30	1	13.90	-0.3	457	250	7952	4141	327	1147	372	349	404	218	138	141	39	29	35	22	19	10
13:14:40	30	1	12.70	-0.4	455	234	9010	4526	940	1657	413	340	455	212	147	105	54	48	38	16	19	22
13:15:00	30	1	11.50	-0.4	455	210	8436	3340	760	1750	837	776	474	228	93	57	58	29	6	3	10	6
13:15:20	30	1	10.50	-0.4	440	190	7521	3853	750	1574	429	357	295	160	131	64	48	36	22	22	13	16
13:15:40	30	1	9.90	-0.4	447	170	3045	4080	1080	1997	561	452	365	160	167	95	64	19	38	29	16	19
13:16:00	30	1	9.60	-0.4	445	156	6545	4237	504	1772	506	301	286	192	122	71	51	35	10	26	10	19
13:16:20	30	1	7.90	-0.3	443	149	3260	4452	395	1526	463	321	228	141	77	64	35	26	13	3	3	10
13:16:40	30	1	6.60	-0.3	440	130	7439	3305	762	1404	660	571	365	147	54	26	19	3	6	22	3	6
13:17:00	30	1	5.10	-0.2	438	125	8538	3753	1019	1699	833	531	308	170	58	15	16	3	15	3	3	0
13:17:20	30	1	4.70	-0.2	428	105	7538	3446	1096	1612	542	397	208	103	61	26	10	16	13	0	6	3
13:17:40	30	1	4.20	-0.2	432	95	7054	3872	1345	1336	255	183	128	87	45	25	26	19	15	3	12	6
13:18:00	30	1	3.10	-0.2	426	85	6625	3971	869	1032	304	167	103	57	32	29	6	10	3	10	0	3
13:18:20	30	1	2.40	-0.1	422	70	6715	3904	907	1224	282	170	67	54	22	20	10	16	0	6	10	3
13:18:40	30	1	1.70	-0.1	419	75	7253	4340	1042	1340	231	122	77	48	10	16	0	3	10	13	3	3
13:19:00	30	1	0.00	-0.0	410	67	7635	3954	1256	1328	308	71	26	3	0	2	0	6	10	10	7	0
13:19:20	30	1	0.00	-0.1	412	52	7735	4641	1394	1593	122	25	0	10	3	0	3	3	0	0	0	0
13:19:40	30	1	0.00	-0.1	417	51	6644	4003	1122	1356	87	13	3	6	10	6	3	3	3	10	0	6
13:20:00	30	2	0.00	-0.4	410	47	7293	2137	2432	1177	513	313	77	13	0	11	0	4	2	2	4	0
13:20:20	30	2	2.70	-0.3	411	81	10584	2100	2226	1344	912	2415	613	431	163	147	43	38	4	13	4	0
13:20:40	30	2	5.00	-0.3	410	104	10295	1953	2100	1011	552	1771	569	303	511	382	192	135	45	15	15	4
13:21:00	30	2	8.70	-0.0	427	142	9402	2124	2254	1115	504	1034	297	280	391	263	288	263	133	88	49	51
13:21:20	30	2	11.90	-0.2	441	201	9348	2220	2511	1030	573	1274	253	312	325	263	314	220	141	120	60	58
13:21:40	30	2	14.90	-0.2	450	261	10259	2533	2724	1312	673	1370	222	241	165	203	194	184	132	128	71	79

DATE -- 02/25/75

LOCAL TIME	SAMPLE RANGE (SEC)	ALTA. DEGR C	RADIATION FLUX	PARTICLES PER CC (X 10 ⁶)																NOTE		
				TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15			
13:25:00	30	2	1495	-0.2	456	263	3376	2427	2459	1342	630	1372	222	263	173	203	199	222	147	132	85	90
13:25:40	20	2	1420	-0.2	454	253	10311	2353	2837	1753	679	1317	250	250	147	247	186	224	122	141	83	112
13:26:00	20	2	1350	-0.2	451	233	10744	2554	2974	1391	755	1471	288	228	147	141	167	247	103	122	103	51
13:26:20	20	2	1270	-0.2	448	220	10586	2554	2760	1345	641	1580	359	290	170	221	157	234	128	99	115	71
13:26:40	20	2	1150	-0.3	446	207	10132	2352	2760	1253	531	1303	292	337	205	283	240	208	138	112	77	71
13:27:00	20	2	1080	-0.3	440	180	9734	2042	2522	1228	551	1232	311	260	224	269	250	276	186	154	67	103
13:27:20	20	2	970	-0.3	437	174	10433	2278	2554	1270	593	1263	309	343	333	333	311	298	185	151	61	64
13:27:40	20	2	850	-0.3	432	154	9106	1984	2276	981	484	1074	369	297	365	292	330	231	157	147	51	48
13:28:00	20	2	780	-0.3	427	141	10404	2250	2434	1175	724	1541	301	435	240	327	256	250	138	74	61	45
13:28:20	20	2	660	-0.3	424	123	10458	2340	2505	1231	686	1047	375	355	247	292	221	256	99	103	42	61
13:28:40	20	2	590	-0.2	419	103	10355	2410	2583	1397	522	1693	439	401	276	272	253	218	133	54	43	61
13:29:00	20	2	490	-0.2	417	96	10372	2265	2471	1253	715	1603	473	439	276	270	169	154	87	58	38	42
13:29:20	20	2	410	-0.1	412	90	9513	2000	2439	1244	753	1750	266	292	229	123	147	103	38	58	32	29
13:29:40	20	2	290	-0.1	410	82	9413	2170	2364	1234	801	1619	301	247	138	138	125	112	58	42	16	19
13:30:00	20	2	220	-0.1	407	72	9029	1939	2173	1119	779	1589	378	378	167	157	90	77	43	13	13	3
13:30:20	20	2	110	-0.1	403	60	10051	2122	2471	1404	865	2255	211	201	80	90	58	64	22	10	6	13
13:30:40	20	2	40	-0.2	400	57	9342	1904	2155	1255	929	2458	433	331	34	103	35	16	0	3	6	0
13:31:00	20	2	00	-0.3	400	50	9000	1877	2170	1272	763	1551	247	131	42	10	10	16	10	3	6	3
13:31:20	20	2	00	-0.3	402	50	9324	2045	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:31:40	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:32:00	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:32:20	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:32:40	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:33:00	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:33:20	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:33:40	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:34:00	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:34:20	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:34:40	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:35:00	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:35:20	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:35:40	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:36:00	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:36:20	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:36:40	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:37:00	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:37:20	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:37:40	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:38:00	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:38:20	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:38:40	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:39:00	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:39:20	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:39:40	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:40:00	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:40:20	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:40:40	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:41:00	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:41:20	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:41:40	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:42:00	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:42:20	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:42:40	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:43:00	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:43:20	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:43:40	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:44:00	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:44:20	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:44:40	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:45:00	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:45:20	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:45:40	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:46:00	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:46:20	20	2	00	-0.3	402	50	9529	2000	2455	1314	914	1327	189	99	5	35	3	13	13	0	0	10
13:46:40	20	2	00	-0.3	402	50	9529	2000	2455	1314	9											

DATE -- 02/25/76

NOTE

LOCAL SAMPLE PROBE ALT. AIR RADIATION
TIME RANGE (SEC) TIME (M) DEG C DOWN UP FLUX

		PARTICLES PER CC (X 10 ¹⁰)															
		TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15
16:05:40	20	1	8821	4337	828	1554	657	500	297	215	122	45	54	16	10	10	13
16:05:00	20	1	3096	4670	320	1946	491	334	282	170	90	54	26	26	13	6	10
16:06:20	20	1	8385	4010	856	1609	718	538	275	121	54	22	13	5	7	5	5
16:05:40	20	1	3744	4247	310	1702	583	532	330	144	93	42	15	10	7	7	15
16:07:00	20	1	8740	4120	878	1936	904	437	224	151	28	19	20	3	0	10	17
16:07:20	20	1	8279	4413	772	1785	515	245	179	74	35	13	10	13	7	3	10
16:07:40	20	1	8278	4605	872	1924	549	266	136	51	19	13	6	7	7	6	7
16:08:00	20	1	7320	4474	301	1766	353	151	25	38	13	5	17	0	0	0	7
16:08:20	20	1	7728	4785	323	1497	327	87	59	13	0	0	0	0	0	0	10
16:09:30	30	2	5252	135	1512	903	352	1081	335	167	100	70	41	70	12	11	4
16:11:00	30	2	5312	105	1152	1233	1004	1079	252	261	62	60	10	10	13	11	9
16:12:40	30	2	8357	123	1712	1716	500	2023	506	249	212	242	135	139	75	75	24
16:14:30	30	2	8024	129	1541	1425	500	1021	541	618	222	222	203	256	135	107	41
16:16:00	30	2	9098	105	1556	1500	504	1534	474	595	348	532	230	359	111	73	65
16:17:30	30	2	7929	172	1626	1505	417	1231	355	491	278	480	237	442	205	141	71
16:18:00	30	2	7874	152	1763	1236	423	1255	201	459	223	440	240	212	175	132	91
16:18:50	20	2	7266	128	1478	1295	704	571	330	417	433	451	424	435	212	157	74
16:19:10	20	2	7310	133	1567	1404	337	1042	231	494	410	290	237	510	269	157	91
16:19:30	20	2	7855	144	1585	1440	494	1129	205	437	353	554	304	484	202	157	64
16:19:50	20	2	7513	157	1580	1205	245	1045	204	535	442	220	435	436	176	122	51
16:20:10	20	2	8356	141	1718	1532	440	1272	350	548	306	571	435	425	182	99	48
16:20:30	20	2	7224	112	1452	1223	352	934	434	505	401	545	359	449	130	115	23
16:20:50	20	2	9535	141	1651	1567	544	1185	258	700	401	494	277	246	144	128	67
16:21:10	20	2	6481	120	1359	1232	297	1005	255	420	240	513	240	298	115	71	45
16:21:30	20	2	8438	100	1705	1703	494	1689	554	524	220	401	234	301	125	59	64
16:21:50	20	2	6547	93	1423	1772	436	1214	295	574	212	370	135	224	93	67	20
16:22:10	20	2	8354	103	1740	1910	497	2009	410	590	260	200	126	144	67	54	22
16:22:30	20	2	7255	141	1471	1535	397	1733	449	503	192	340	122	175	67	35	32
16:22:50	20	2	5407	55	1237	1250	404	1631	462	442	167	247	100	135	54	48	13
16:23:10	20	2	5721	121	1311	1410	503	2000	372	484	109	195	48	36	13	10	22
16:23:30	20	2	6426	60	1452	1420	459	2022	240	227	96	50	22	42	16	13	3
16:23:50	20	2	5045	33	1132	1153	394	1574	240	208	38	51	32	29	13	6	7
16:24:10	20	2	7052	17	395	1107	1167	1462	221	127	220	547	735	124	90	80	41
16:24:30	20	2	2454	23	476	1291	1417	1593	223	138	252	904	1026	239	295	419	150
16:24:50	20	2	6379	40	422	1291	1455	1830	1034	171	218	600	716	134	250	363	180
16:25:10	20	2	3718	40	593	1447	1573	2041	335	207	271	613	671	134	323	382	182
16:25:30	20	2	2564	56	545	1255	1521	1325	1036	189	363	795	682	207	250	303	107
16:25:50	20	2	3712	30	530	1276	1692	1801	1041	216	161	833	776	218	252	346	154
16:26:10	20	2	8954	25	561	1340	1513	1904	959	144	244	676	590	215	250	375	77
16:26:30	20	2	9309	54	532	1243	1510	1317	1250	151	295	585	347	212	269	303	192
16:26:50	20	2	3978	64	538	1243	1429	1094	247	180	285	692	612	147	260	282	171
16:27:10	20	2	9657	40	430	1433	1422	1220	578	276	292	731	689	205	240	290	139
16:27:30	20	2	9519	54	551	1417	1526	1093	572	215	324	654	740	189	292	304	112
16:27:50	20	2	9089	28	515	1298	1577	1071	1022	170	228	740	759	157	268	298	170
16:28:10	20	2	10193	54	437	1599	1555	1043	1151	195	309	846	921	238	321	404	196
16:28:30	20	2	9506	25	452	1698	1436	1875	222	205	228	252	602	208	321	442	98
16:28:50	20	2	3362	20	515	1311	1355	1744	339	150	233	735	259	199	255	321	112
16:29:10	20	2	10571	22	574	1282	1599	2000	1040	208	227	1087	1087	237	289	420	163
16:29:30	20	2	10221	30	431	1333	1535	1301	1019	179	340	1115	1139	311	235	365	151
16:29:50	20	2	6811	26	490	1200	1247	1603	869	157	276	202	802	1096	199	192	260
16:30:10	20	2	355	20	155	20	155	20	155	20	155	20	155	20	155	20	155

DATE -- 02/25/75

NOTE

LOCAL SAMPLE PROBE ALT. AIR RADIATION
TIME TIME RANGE (M) T-MP. FLUX
(SEC) DEG C DOWN UP

LOCAL TIME		SAMPLE TIME (SEC)	PROE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX		PARTICLES PER CC (X 10)															
						DOWN	UP	TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15
15:35:50	20	3	40	4	152	17	3355	32	425	1247	1760	1330	391	173	324	1032	1013	141	176	215	48	42	
15:37:10	20	3	30	5	152	15	8885	26	351	1166	1231	1740	380	208	311	1042	1170	189	163	240	71	29	
15:37:30	20	3	70	5	152	15	3522	43	420	1112	1337	1590	379	151	276	962	1036	272	196	196	93	35	
15:38:00	30	4	75	7	157	15	12541	1325	1474	1205	942	1201	1126	1120	979	1267	190	88	122	232	528	776	
15:38:30	30	4	75	7	161	17	13556	1484	1437	1301	1098	1306	1109	1132	1152	1365	156	141	137	278	581	859	
15:41:10	30	4	300	6	180	30	14000	1650	1637	1742	1092	1250	1260	1269	1288	1260	201	132	177	323	532	643	
15:42:40	30	4	595	4	205	43	15045	1591	1564	1509	1233	1531	1451	1417	1535	1641	310	173	165	258	556	641	
15:44:10	30	4	995	4	214	57	17145	1850	1718	1782	1731	1800	1557	1538	1728	1502	214	195	190	310	530	718	
15:47:50	30	4	1295	-2	206	60	17303	1942	1537	1558	1423	1372	1532	1552	1726	1532	220	203	193	357	535	707	
15:48:50	20	4	1430	-1	198	57	16542	2141	1972	1676	1574	1688	1595	1502	1724	1625	240	253	231	522	737	830	
15:49:10	20	4	1350	-2	192	51	13705	2240	1330	1910	1484	1381	1528	1538	1937	1651	330	276	215	365	613	622	
15:49:30	20	4	1290	-2	190	57	15708	1907	1770	1522	1279	1623	1404	1378	1538	1484	224	167	218	266	404	503	
15:49:50	20	4	1290	-2	178	55	15893	2022	1321	1554	1345	1522	1395	1532	1679	1635	276	170	192	285	516	548	
15:50:10	20	4	1295	-2	174	55	15817	2007	1740	1600	1237	1622	1497	1420	1554	1474	240	173	115	226	327	410	
15:50:30	20	4	1295	-2	171	52	15423	2151	1747	1533	1435	1532	1471	1334	1503	1522	218	147	157	311	381	503	
15:50:50	20	4	1295	-2	171	52	14776	1814	1561	1476	1129	1542	1543	1279	1426	1545	138	170	138	256	401	558	
15:51:10	20	4	1290	-2	193	50	15333	1913	1755	1535	1314	1535	1230	1317	1429	1631	237	160	215	256	420	484	
15:51:30	20	4	1140	-2	197	49	14904	1958	1721	1500	1417	1509	1408	1397	1538	1600	301	132	202	224	465	615	
15:51:50	20	4	1000	-2	146	41	16395	1910	1792	1702	1382	1506	1522	1311	1612	1503	263	183	173	333	503	583	
15:52:10	20	4	980	-2	120	37	15030	1811	1583	1375	1234	1561	1471	1455	1612	1487	256	151	196	359	574	705	
15:52:30	20	4	890	-1	131	32	14022	1605	1484	1343	1170	1525	1330	1279	1479	1522	167	170	176	250	420	603	
15:52:50	20	4	770	0	123	27	14467	1772	1608	1507	1182	1497	1200	1179	1545	1295	183	170	144	275	378	423	
15:53:10	20	4	690	1	117	25	14571	1553	1503	1426	1112	1516	1192	1321	1410	1540	144	183	157	282	505	619	
15:53:30	20	4	590	1	109	22	14566	1621	1615	1281	1071	1394	1304	1190	1423	1510	173	170	125	221	529	760	
15:53:50	20	4	590	2	107	20	15109	1452	1481	1372	1090	1423	1292	1208	1410	1731	189	208	248	413	705	891	
15:54:10	20	4	380	3	101	17	15378	1602	1417	1484	1221	1423	1426	1452	1494	1721	221	183	157	260	494	814	
15:54:30	20	4	320	4	95	15	14365	1522	1505	1455	1179	1487	1333	1359	1481	1551	375	109	107	224	469	612	
15:54:50	20	4	210	5	92	14	14178	1606	1542	1420	1212	1232	1221	1160	1308	1506	179	112	103	237	519	702	
15:55:10	20	4	170	6	89	12	13513	1407	1535	1375	1119	1253	1212	1150	1147	1292	133	151	154	228	458	740	
15:55:30	20	4	20	6	86	10	12484	1244	1446	1212	952	1272	1160	1064	1115	1215	136	106	173	212	545	574	
15:55:50	20	4	00	7	84	9	12352	1373	1503	1238	994	1139	1151	1144	1077	1353	173	119	163	213	442	814	
15:56:10	20	4	05	7	83	5	12170	1301	1324	1170	1029	1173	1057	1000	1067	1115	205	96	173	228	535	679	
15:56:30	20	4	05	7	82	0	13567	1365	1505	1439	1022	1797	1212	1051	1141	1346	282	138	163	250	571	673	

DATE -- 02/26/76

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEC C	RADIATION FLUX DOWN UP	PARTICLES PER CC (X 10 ⁴)															NOTE		
						TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14		CH 15	
07:24:50	30	1	70	1.0	56	7	5317	2127	351	1222	294	123	55	17	17	2	0	2	0	2	9	27	
07:26:50	30	1	270	1.4	68	11	5459	2705	555	1404	472	202	222	107	80	34	15	12	3	4	2	4	
07:28:50	30	1	570	1.3	68	15	5035	2733	327	1073	212	310	230	130	93	50	35	19	3	13	4	2	
07:30:50	30	1	870	1.1	107	24	5423	2581	810	1051	455	455	456	229	179	122	51	20	11	17	11	9	
07:32:50	30	1	1185	1.1	110	31	5752	2307	737	303	283	240	731	309	175	113	75	38	15	25	23	26	
07:34:10	20	1	1150	1.0	122	32	5266	2452	264	1105	214	305	702	215	144	112	54	46	25	22	22	22	
07:34:30	20	1	1090	1.0	122	32	5599	2705	342	1205	321	333	453	304	167	103	54	35	15	22	20	20	
07:34:50	20	1	1010	1.0	125	31	5147	2716	721	904	246	246	429	250	151	90	46	35	10	29	19	19	
07:35:10	20	1	950	1.0	123	23	5709	2522	557	753	372	352	420	221	157	90	51	58	20	26	10	10	
07:35:30	20	1	870	1.0	117	26	5212	2660	795	114	420	439	420	228	103	71	07	42	22	10	19	19	
07:35:50	20	1	320	.9	117	25	5323	2537	304	842	468	522	548	255	141	63	48	26	22	10	22	13	
07:36:10	20	1	730	.9	114	22	5619	2837	737	555	468	510	430	280	115	00	81	42	23	13	29	13	
07:36:30	20	1	570	1.0	109	21	5016	2512	933	917	181	413	358	202	125	42	32	13	13	23	25	16	
07:36:50	20	1	590	.9	101	18	7100	3160	881	1215	459	497	400	187	154	74	30	13	29	17	10	6	
07:37:10	20	1	570	.9	98	10	6295	2705	325	1035	433	372	542	151	109	77	32	26	15	3	22	0	
07:37:30	20	1	450	.9	92	16	5837	3037	327	1144	502	474	275	228	109	30	19	10	15	8	7	6	
07:37:50	20	1	400	1.0	92	10	7058	2923	1224	1452	510	372	293	95	71	54	35	19	3	6	10	3	3
07:38:10	20	1	320	.9	91	14	7420	3228	1401	1413	517	342	276	109	54	38	48	12	6	10	3	3	
07:38:30	20	1	270	1.0	90	13	7096	3192	1151	1429	500	352	274	115	51	26	10	10	10	3	3	3	
07:38:50	20	1	180	1.0	91	12	5507	2851	1122	1435	497	352	179	82	51	22	10	10	10	3	3	3	
07:39:10	20	1	130	1.1	93	12	5925	3031	1157	1390	516	343	151	51	22	3	3	3	3	3	3	3	
07:39:30	20	1	60	1.1	92	12	5048	2945	957	1304	305	103	120	58	16	10	10	10	10	3	3	3	
07:39:50	20	1	10	1.3	93	9	5323	3321	1147	1702	302	157	54	40	10	10	10	10	10	3	3	3	
07:40:10	60	1	00	1.3	101	10	5041	3124	863	1228	261	100	162	127	30	40	21	21	10	10	3	3	
07:40:30	60	2	20	1.5	130	22	4438	124	1302	1449	395	1035	162	127	30	40	21	21	10	10	3	3	
07:40:50	60	2	20	1.3	154	22	5643	114	1601	1422	500	1035	162	127	30	40	21	21	10	10	3	3	
07:41:10	60	2	570	1.0	154	25	6397	151	1535	1347	446	1316	459	456	222	295	172	231	89	49	47	22	
07:41:30	60	2	890	1.0	146	31	6141	145	1607	1315	390	389	459	456	222	295	172	231	89	49	47	22	
07:41:50	60	2	1190	.9	160	43	5159	131	1352	1245	321	307	311	427	256	370	202	302	147	87	53	33	
07:42:10	60	2	1190	1.0	162	48	5896	129	1457	1109	277	809	280	270	298	322	221	280	130	104	54	43	
07:42:30	60	2	1150	.9	182	47	6651	133	1314	1272	337	342	259	494	375	463	355	388	106	93	49	54	
07:42:50	60	2	1080	.9	178	45	6458	102	1353	1183	308	827	304	452	353	481	266	436	199	80	59	51	
07:43:10	60	2	970	.9	179	40	6362	112	1433	1112	269	331	378	554	353	529	333	359	170	139	49	58	
07:43:30	60	2	900	.8	175	37	6760	119	1468	1240	255	1090	340	522	301	465	276	276	128	74	45	48	
07:43:50	60	2	790	.8	169	34	5042	103	1253	1045	255	983	372	559	250	410	228	276	133	83	42	51	
07:44:10	60	2	720	.8	160	31	7205	141	1429	1167	500	1039	405	528	279	407	205	266	74	61	35	32	
07:44:30	60	2	610	.9	153	23	7949	205	1763	1515	522	1561	417	593	253	353	224	221	95	80	22	26	
07:44:50	60	2	540	.8	146	20	6599	125	1574	1285	437	1246	452	474	224	260	147	144	38	72	54	10	
07:45:10	60	2	430	.9	142	22	6910	125	1201	1200	431	1730	474	571	228	293	144	141	13	51	19	13	
07:45:30	60	2	350	.9	130	20	7048	160	1705	1679	571	1497	270	503	160	216	112	80	25	10	10	10	
07:45:50	60	2	250	1.0	135	13	5346	119	1468	1304	436	1433	314	359	125	202	71	51	13	13	10	10	
07:46:10	60	2	180	1.0	125	10	4798	106	1288	1125	340	1167	173	314	54	93	33	42	13	13	3	3	
07:46:30	60	2	70	1.1	126	15	6314	176	1628	1740	532	1613	240	196	51	93	13	13	6	7	6	6	
07:46:50	60	2	10	1.2	128	11	4735	122	1358	1138	379	1356	178	163	42	46	15	13	3	10	3	3	
07:47:10	60	2	15	1.3	141	13	4713	125	1433	1261	377	1233	114	91	25	20	5	2	4	6	1	1	
07:47:30	60	3	15	1.5	150	14	10593	1802	1579	1598	1425	1475	236	157	225	567	620	113	27	35	27	4	
07:47:50	60	3	15	1.5	150	15	12647	1876	1786	1976	1733	1936	1045	150	251	702	721	171	72	90	20	20	
07:48:10	60	3	15	1.5	164	15	10588	2331	2143	2226	2109	2372	1404	254	436	1060	1301	301	229	301	145	75	
07:48:30	60	3	275	1.1	191	20	11474	50	703	1724	1801	2405	255	231	255	1072	1147	244	293	244	293	72	
07:48:50	60	3	580	.8	242	41	10063	63	596	1375	1837	2134	235	241	342	863	755	111	155	171	155	72	
07:49:10	60	3	895	.8	273	50	10063	63	596	1375	1837	2134	235	241	342	863	755	111	155	171	155	72	

NOTE

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DATE -- 02/28/70

LOCAL TIME	SAMPLE RANGE TIME (SEC)	ALT. (M)	T-MP.	RADIATION DTC C	DOWN	UP	PARTICLES PER CC (X IC)														NOTE	
							TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15
07:34:00	60	3	10	-4.5	255	42	5356	4755	1078	344	140	55	1	0	0	0	0	0	0	0	0	0
07:35:00	60	3	15	-4.4	261	47	6410	4761	1069	342	134	34	11	0	0	0	0	0	0	0	0	0
07:36:00	60	3	205	-3.5	312	53	7229	4853	1100	432	355	235	98	3	5	5	4	0	0	0	0	19
07:37:00	60	3	595	-2.2	284	63	7856	4223	1037	830	641	644	188	7	14	4	9	1	0	0	0	0
07:38:00	60	3	915	-1.4	331	83	7732	5523	1027	541	303	303	12	3	4	5	4	0	0	0	0	0
07:39:00	60	3	1235	-1.0	314	75	7872	5842	1120	412	270	179	11	6	13	13	0	0	0	0	0	0
07:40:00	60	3	1555	-.8	279	93	7739	5753	1129	434	271	223	5	10	3	6	2	0	0	0	0	0
07:41:00	60	3	1505	-.9	260	87	7724	5726	1020	435	284	221	9	5	6	7	1	0	0	0	0	0
07:42:00	60	3	1555	-.3	364	90	7701	5536	1034	447	300	193	11	5	7	5	1	0	0	0	0	0
07:43:00	60	3	1550	-.6	264	93	7702	5707	1030	474	279	230	13	9	4	5	1	0	0	0	0	0
07:44:00	60	3	1550	-.3	333	95	7731	5827	1000	401	292	183	13	10	3	3	0	0	0	0	0	0
07:45:00	60	3	1550	-.9	270	90	7250	5350	949	459	288	106	2	9	3	3	0	0	0	0	0	0
07:46:00	60	3	1550	-.3	323	97	7355	5832	1067	420	295	219	12	3	6	3	0	0	0	0	0	0
07:47:00	60	3	1300	-.8	340	96	7571	5420	1167	455	317	192	10	3	6	3	0	0	0	0	0	0
07:48:00	60	3	1240	-.9	331	101	7497	5534	1042	454	314	154	12	3	6	10	0	0	0	0	0	0
07:49:00	60	3	1170	-.9	250	104	7762	5811	973	497	292	202	2	6	0	0	0	0	0	0	0	0
07:50:00	60	3	1090	-1.2	334	104	7510	5452	1051	445	311	224	6	3	6	3	0	0	0	0	0	0
07:51:00	60	3	955	-1.5	300	100	7946	4250	1300	875	547	703	103	6	3	10	12	0	0	0	0	0
07:52:00	60	3	890	-1.5	300	105	7462	4463	1160	737	473	533	51	3	13	5	6	0	0	0	0	0
07:53:00	60	3	780	-1.3	324	104	7532	5147	962	603	404	10	10	10	10	3	6	0	0	0	0	0
07:54:00	60	3	500	-1.5	329	104	7590	4442	1314	811	487	429	82	10	10	3	6	0	0	0	0	0
07:55:00	60	3	570	-1.4	357	102	7360	3984	1256	340	560	580	102	12	10	3	6	0	0	0	0	0
07:56:00	60	3	450	-1.5	384	103	7179	3824	1189	360	574	554	135	10	10	3	6	0	0	0	0	0
07:57:00	60	3	320	-1.5	400	104	6626	3536	1179	750	557	603	150	10	10	3	6	0	0	0	0	0
07:58:00	60	3	240	-2.2	400	100	7773	3293	1157	250	1022	304	657	20	59	125	157	0	0	0	0	0
07:59:00	60	3	120	-2.3	400	105	5728	4202	917	253	170	100	6	3	0	0	0	0	0	0	0	0
08:00:00	60	3	40	-2.6	417	95	4519	3924	734	139	64	29	0	0	0	0	0	0	0	0	0	0
08:01:00	60	3	40	-2.8	420	78	5224	3955	859	278	82	48	0	0	0	0	0	0	0	0	0	0
08:02:00	60	3	45	-3.0	427	95	5753	4410	982	292	95	71	10	0	0	0	0	0	0	0	0	0
08:03:00	60	3	40	-3.0	428	97	5683	4300	946	256	119	43	0	0	0	0	0	0	0	0	0	0
08:04:00	60	3	45	-3.1	428	91	5831	4263	923	304	112	35	0	0	0	0	0	0	0	0	0	0
08:05:00	60	3	45	-3.7	446	92	5949	4121	921	342	104	138	56	47	58	7	1	0	0	0	0	0
08:06:00	60	3	300	-3.0	433	112	7027	1175	1340	1032	779	745	228	551	518	673	18	13	10	18	18	
08:07:00	60	3	600	-1.5	361	124	6355	2009	1265	876	594	446	374	312	280	165	9	4	0	0	0	0
08:08:00	60	3	920	-1.4	378	124	5126	2375	1077	575	395	305	250	233	194	9	11	4	2	9	2	0
08:09:00	60	3	680	-1.5	380	132	5859	2212	1032	750	545	309	214	282	237	74	10	4	3	0	0	0
08:10:00	60	3	590	-1.6	397	134	6295	2234	1218	983	510	426	276	288	253	67	10	3	3	3	3	0
08:11:00	60	3	400	-1.7	400	130	6250	2050	1160	753	571	500	308	349	388	80	6	3	3	3	3	0
08:12:00	60	3	370	-1.9	407	139	6442	1738	1212	974	715	434	231	330	340	173	13	0	0	0	0	0
08:13:00	60	3	240	-2.4	421	136	5467	1376	1182	675	686	564	401	449	420	413	13	0	0	0	0	0
08:14:00	60	3	150	-2.8	430	142	5231	2541	337	509	372	259	186	173	160	123	5	0	0	0	0	0
08:15:00	60	3	70	-3.0	459	124	5437	1303	953	452	224	199	151	95	103	22	0	0	0	0	0	0
08:16:00	60	3	70	-3.2	453	140	5737	4216	371	254	175	126	60	32	34	2	0	0	0	0	0	0
08:17:00	60	3	70	-3.4	450	141	5223	4308	360	313	162	115	90	43	21	11	2	0	0	0	0	0
08:18:00	60	3	70	-3.4	454	137	5863	4130	942	378	175	111	81	56	28	1	0	0	0	0	0	0
08:19:00	60	3	100	-3.4	461	151	5990	3304	302	306	192	152	111	60	40	5	0	0	0	0	0	0
08:20:00	60	3	100	-3.4	462	151	5050	3762	904	382	214	130	79	92	55	10	0	0	0	0	0	0
08:21:00	60	3	200	-3.5	420	153	5130	2803	382	522	380	236	175	171	145	34	2	0	0	0	0	0
08:22:00	60	3	200	-3.5	432	154	5259	2857	827	482	378	252	141	116	147	50	0	0	0	0	0	0
08:23:00	60	3	200	-3.0	430	157	5874	1571	1030	726	577	427	442	350	319	285	15	0	0	0	0	0

DATE -- 02/28/76

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION DOWN UP	PARTICLES PER CC (X 10)															NOTE	
						TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14		CH 15
08:21:10	30	4	295	-2.9	427 152	5887	1454	1062	908	581	435	402	348	365	291	13	2	2	2	11	2	
08:22:30	30	4	405	-2.3	416 162	6179	1511	1193	827	671	503	412	363	391	274	6	4	11	6	5	0	
08:23:00	30	4	405	-2.2	420 164	6216	1491	1197	891	659	541	449	377	350	282	5	2	2	4	4	2	
03:23:30	30	4	405	-2.2	420 166	6064	1444	1120	933	665	513	372	425	355	244	13	2	3	2	5	4	
08:24:30	30	4	405	-1.9	414 170	6205	1756	1201	902	592	511	410	350	321	182	4	2	3	4	6	0	
03:25:00	30	4	495	-1.9	423 170	6223	1504	1254	942	525	594	415	393	359	100	11	2	3	3	3	9	
08:25:30	30	4	405	-1.8	422 170	6240	1675	1220	844	622	517	370	344	308	230	2	2	2	4	2	4	
03:26:30	30	4	505	-1.5	417 163	5959	1921	1235	793	543	474	237	293	299	30	6	2	2	2	5	0	
08:27:00	30	4	605	-1.6	411 172	6214	1912	1216	940	594	487	165	292	214	171	2	2	2	2	2	0	
03:27:30	30	4	605	-1.5	414 173	6038	2075	1226	795	517	333	331	303	335	132	4	6	2	0	0	4	
08:28:30	30	4	705	-1.4	421 174	5518	2323	974	692	467	355	246	241	241	24	4	4	4	9	0	2	
08:29:00	30	4	705	-1.4	421 170	6122	2450	1107	735	547	337	253	220	231	31	9	4	4	3	2	4	
08:29:30	30	4	705	-1.4	430 177	6211	2327	1248	755	529	432	342	262	199	63	2	4	4	2	0	4	
03:30:40	30	4	915	-1.3	428 179	5959	2253	1173	731	579	432	250	250	231	34	2	2	13	4	2	2	
08:31:10	30	4	815	-1.3	425 178	6053	2325	1203	840	521	344	297	267	186	20	5	9	2	6	0	0	
03:31:40	30	4	815	-1.3	421 179	5029	2351	1194	737	560	359	221	248	263	13	6	4	2	6	4	4	
08:32:40	30	4	915	-1.3	419 181	6322	2205	1297	870	577	425	250	231	284	20	0	0	0	0	0	4	
03:33:10	30	4	915	-1.2	417 193	6013	2197	1173	323	533	333	259	267	284	43	9	4	4	2	0	4	
08:33:40	30	4	915	-1.2	416 182	5853	2135	1129	805	500	342	276	270	248	32	11	0	3	4	11	2	
03:34:50	30	4	1025	-1.3	410 194	5469	1942	1350	312	556	311	332	310	295	50	4	4	4	4	0	6	

DATE -- 02/28/76

NOTE

LOCAL SAMPLE PROBE ALT. AIR RADIATION
TIME RANGE (M) TEMP. FLUX
(SEC) DOWN UP

PARTICLES PER CC (X 10¹⁰)

TOTAL CH 1 CH 2 CH 3 CH 4 CH 5 CH 6 CH 7 CH 8 CH 9 CH 10 CH 11 CH 12 CH 13 CH 14 CH 15

03:15:20	30	4	1075	-1.2	410	184	6238	2051	1306	923	650	385	323	293	299	65	6	13	6	4	4	4	9
03:15:30	30	4	1075	-1.2	417	180	6298	2053	1226	857	682	521	314	241	303	71	0	6	4	0	2	2	0
03:16:00	30	4	1125	-1.3	422	182	6474	1954	1235	904	581	573	323	325	380	85	9	4	9	2	9	2	0
03:17:00	30	4	1125	-1.2	423	182	6276	2222	1216	851	437	301	289	274	30	30	6	4	2	4	6	2	0
03:17:30	30	4	1125	-1.3	410	180	6374	2103	1417	962	562	517	250	368	353	43	4	4	11	6	4	0	0
03:18:00	30	4	1275	-1.4	417	137	5534	1733	1357	302	741	517	404	391	329	93	4	4	0	2	6	0	0
03:19:00	30	4	1275	-1.2	412	189	6276	1974	1316	942	652	532	287	365	331	23	5	0	4	6	6	9	0
03:20:00	30	4	1275	-1.4	435	193	5915	1823	1427	959	705	585	331	363	380	103	2	6	0	6	3	9	0
03:21:00	30	4	1375	-1.4	420	180	7034	2020	1463	985	694	541	410	385	385	107	13	6	6	6	2	12	9
03:21:30	30	4	1375	-1.4	435	193	7404	1722	1553	1038	842	541	443	470	483	103	13	6	6	6	9	4	9
03:22:00	30	4	1375	-1.3	450	185	7000	1810	1357	970	829	665	427	466	436	71	9	6	9	4	4	2	0
03:23:00	30	4	1475	-1.4	453	134	7532	1942	1322	1182	776	718	440	474	481	113	6	0	6	4	4	9	9
03:24:00	30	4	1475	-1.5	455	134	7256	2240	1425	1021	672	530	432	406	376	102	6	2	4	9	9	4	4
03:24:30	30	4	1402	-1.4	434	195	7532	2321	1573	1034	684	592	253	436	412	130	11	9	9	6	0	6	0
03:25:00	30	4	1575	-1.2	460	193	6425	3417	1126	632	391	280	205	201	143	0	4	0	9	4	4	2	0
03:26:00	30	4	1555	-1.2	464	194	5503	2931	1197	905	532	370	259	271	194	9	15	0	0	9	2	4	4
03:27:00	30	4	1555	-1.2	471	195	5556	3475	1083	645	420	300	226	214	143	2	9	4	6	2	4	2	0
03:27:30	30	4	1550	-1.1	468	195	5439	3186	1090	699	439	391	218	237	144	10	3	13	3	2	6	0	0
03:28:00	30	4	1500	-1.2	460	197	6784	3020	1183	776	593	340	250	292	183	10	0	0	0	0	0	0	0
03:28:30	30	4	1375	-1.4	444	205	7083	2423	1338	1015	667	505	297	333	276	51	13	3	3	3	3	5	0
03:29:00	30	4	1285	-1.5	435	202	6215	1747	1872	1490	1061	792	584	567	672	295	10	6	16	6	13	6	0
03:29:30	30	4	1160	-1.5	434	203	6263	1513	1538	1235	942	795	580	509	515	224	6	6	6	6	3	16	16
03:30:00	30	4	1050	-1.4	447	202	6055	1548	1590	1258	872	721	564	554	590	196	10	6	6	6	3	16	0
03:30:30	30	4	975	-1.4	447	202	7036	1535	1446	1058	782	535	437	484	405	154	10	10	5	3	10	3	3
03:31:00	30	4	840	-1.4	430	207	7172	1501	1452	1051	776	544	468	490	513	173	10	10	5	3	10	3	3
03:31:30	30	4	770	-1.3	445	207	6369	1552	1253	952	997	635	433	355	401	205	13	6	3	3	3	3	10
03:32:00	30	4	615	-1.2	465	210	5632	1404	1147	910	641	551	340	353	327	122	16	0	3	3	3	3	10
03:33:00	30	4	490	-1.2	462	210	6000	1587	1074	856	547	503	378	304	410	193	15	3	3	3	3	3	10
03:33:30	30	4	390	-1.3	470	211	5436	1872	865	651	577	401	321	301	244	186	10	3	3	3	3	3	10
03:34:00	30	4	200	-1.4	460	215	5468	3157	338	404	255	221	139	144	125	74	0	0	0	0	0	0	0
03:34:30	30	4	170	-1.6	471	214	5515	3830	804	285	199	128	102	71	51	32	2	0	0	0	0	0	0
03:35:00	30	4	40	-1.7	493	182	5731	4182	865	253	163	35	64	48	45	0	5	0	0	0	0	0	0
03:35:30	30	4	45	-1.5	490	165	5404	3981	821	272	157	87	67	30	26	22	3	3	3	3	3	3	0
03:36:00	30	4	45	-1.4	511	176	5276	3991	317	276	83	106	40	23	15	0	3	3	3	3	3	3	0
03:36:30	30	4	45	-1.4	457	160	5450	4056	853	244	151	87	45	32	16	0	0	0	0	0	0	0	0
03:37:00	30	4	45	-1.4	489	180	5298	3837	904	228	112	37	23	13	16	0	0	0	0	0	0	0	0
03:37:30	30	4	45	-1.5	484	152	5071	4327	304	244	120	68	4	2	0	0	0	0	0	0	0	0	0
03:38:00	30	4	45	-1.6	486	190	5333	4017	363	253	113	56	4	0	0	0	0	0	0	0	0	0	0
03:38:30	30	4	45	-1.7	465	190	5027	4482	900	271	160	94	6	2	4	0	0	0	0	0	0	0	0
03:39:00	30	4	125	-1.6	435	217	5350	4233	315	226	109	56	2	4	0	0	0	0	0	0	0	0	0
03:39:30	30	4	175	-1.6	457	210	5089	4362	1041	301	143	105	5	0	0	0	0	0	0	0	0	0	0
03:40:00	30	4	125	-1.7	490	210	5755	4219	940	284	113	109	2	0	0	0	0	0	0	0	0	0	0
03:40:30	30	4	215	-1.7	493	221	6278	4692	315	342	165	150	11	0	0	0	0	0	0	0	0	0	0
03:41:00	30	4	215	-1.8	500	221	6693	4800	1024	342	205	152	26	4	0	0	0	0	0	0	0	0	0
03:41:30	30	4	315	-1.7	499	217	6224	4423	1045	338	192	154	9	4	0	0	0	0	0	0	0	0	0
03:42:00	30	4	315	-1.6	480	224	6476	4763	355	397	154	168	5	2	0	0	0	0	0	0	0	0	0
03:42:30	30	4	315	-1.5	490	223	6427	4701	327	402	207	173	13	2	0	0	0	0	0	0	0	0	0
03:43:00	30	4	315	-1.5	480	210	6415	4701	934	303	233	152	24	2	0	0	0	0	0	0	0	0	0
03:43:30	30	4	415	-1.4	456	225	6500	4105	1089	545	432	415	58	0	0	0	0	0	0	0	0	0	0
03:44:00	30	4	415	-1.2	456	225	5515	4081	1013	613	342	412	39	5	4	4	0	0	0	0	0	0	0

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LOCAL TIME	SAMPLE TIME (SEC)	PROT RANGE	ALT. (M)	AIR TEMP. C	RADIATION FLUX COUNT	PARTICLES PER CC (X 10 ¹⁰)															NOTE	
						TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14		CH15
03:04:50	30	3	415	-1.2	460	225	5571	4123	391	657	795	400	79	2	9	4	4	0	0	2	0	0
03:05:50	30	3	515	-1.0	474	221	7000	3810	1160	769	598	571	113	11	11	11	4	0	0	2	0	0
03:06:50	30	3	515	-0.9	474	214	5313	3707	1137	738	557	513	83	9	17	6	4	0	0	0	0	0
03:07:50	30	3	515	-0.9	463	224	6851	3545	1230	716	500	505	156	6	0	11	0	0	0	0	0	0
03:08:50	30	3	515	-0.9	470	224	7152	3375	1212	544	744	630	130	24	2	13	13	4	0	0	2	0
03:09:50	30	3	515	-1.1	455	220	7078	3255	1261	589	655	748	105	11	21	15	3	0	0	0	0	0
03:10:50	30	3	515	-1.3	453	222	7526	3125	1425	1034	810	372	246	19	5	13	6	0	0	0	0	0
03:11:50	30	3	715	-1.4	454	224	7355	3072	1528	1155	955	564	141	10	15	20	3	0	0	0	0	0
03:12:50	30	3	715	-1.4	450	221	7351	2859	1539	1243	974	1110	177	11	13	15	6	0	0	0	0	0
03:13:50	30	3	715	-1.4	440	225	7557	2855	1272	1068	832	951	105	24	13	24	9	0	0	0	4	0
03:14:50	30	3	815	-1.3	413	233	8519	3255	1521	1180	374	344	162	13	24	24	4	0	0	0	0	0
03:15:50	30	3	815	-1.4	440	235	8075	3310	1427	1159	500	1041	158	17	13	20	15	0	0	0	0	0
03:16:50	30	3	915	-1.4	434	223	8159	3373	1505	1073	987	370	201	11	6	12	9	2	0	0	2	0
03:17:50	30	3	925	-1.4	434	232	8218	3260	1581	1150	955	1026	150	15	21	24	4	2	0	0	0	0
03:18:50	30	3	925	-1.3	410	223	7709	4000	1372	331	350	713	34	21	9	15	0	0	0	0	0	0
03:19:50	30	3	1025	-1.2	472	230	6056	2151	1543	1172	322	1050	142	17	17	19	13	0	0	0	0	0
03:20:50	30	3	1025	-1.4	449	231	7379	3402	1434	1158	950	932	150	11	9	15	9	0	0	0	0	0
03:21:50	30	3	1025	-1.3	425	225	7709	4100	1200	900	670	650	26	11	13	11	0	0	0	0	0	0
03:22:50	30	3	1025	-1.4	442	237	8139	3333	1520	1120	362	1077	152	11	9	13	13	0	0	0	0	0
03:23:50	30	3	1125	-1.4	454	230	8312	4365	1424	1011	567	724	50	11	4	12	0	0	0	0	0	0
03:24:50	30	3	1125	-1.4	414	235	8310	3917	1513	1059	771	337	38	5	15	17	4	2	0	0	0	0
03:25:50	30	3	1125	-1.3	445	231	8421	4241	1500	1002	730	726	58	5	13	6	15	0	0	0	0	0
03:26:50	30	3	1225	-1.2	423	223	3406	5620	1257	554	460	359	15	13	2	4	2	0	0	0	0	0
03:27:50	30	3	1225	-1.3	425	230	6115	4600	1363	855	590	573	34	6	4	17	2	2	0	0	0	0
03:28:50	30	3	1225	-1.3	444	233	3006	4545	1312	982	381	513	30	9	15	19	0	0	0	0	0	0
03:29:50	30	3	1345	-0.8	447	230	2502	6241	1235	424	310	221	19	13	4	2	4	2	0	0	0	0
03:30:50	30	3	1345	-1.3	452	230	3469	5522	1297	714	439	432	17	5	9	13	2	2	0	0	0	0
03:31:50	30	3	1345	-1.3	452	232	8200	4521	1442	897	622	722	47	5	13	17	4	0	0	0	0	0
03:32:50	30	3	1445	-1.2	452	231	6522	5845	1286	655	459	340	13	2	9	2	0	0	0	0	0	0
03:33:50	30	3	1445	-1.3	450	230	2769	5455	1265	818	549	521	28	9	15	4	2	2	0	0	0	0
03:34:50	30	3	1445	-1.4	413	250	3053	4141	1571	1109	934	1058	90	2	13	25	9	0	0	0	0	0
03:35:50	30	3	1555	-1.1	455	223	6878	5970	1310	652	481	380	9	11	4	11	2	2	0	0	0	0
03:36:50	30	3	1555	-1.4	515	232	5594	5812	1220	550	520	409	41	5	3	6	6	0	0	0	0	0
03:37:50	30	3	1555	-1.1	485	220	10447	5472	1470	1025	870	934	212	51	45	112	79	9	0	0	0	0

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LOCAL TIME	SAMPLE RANGE (SEC)	ALT. (M)	TEMP. (C)	RADIATION D/C	FLUX DOWN	UP
09:25:20	20	1570	-1.2	478	231	
09:25:40	20	1330	-1.2	458	234	
09:26:00	20	1170	-1.2	435	244	
09:26:20	20	1170	-1.1	430	230	
09:26:40	20	1090	-1.3	445	243	
09:27:00	20	970	-1.3	455	244	
09:27:20	20	900	-1.3	443	244	
09:27:40	20	770	-1.1	443	246	
09:28:00	20	640	-1.1	435	250	
09:28:20	20	590	-1.0	440	250	
09:28:40	20	410	-1.0	453	257	
09:29:00	20	290	-0.3	408	257	
09:29:20	20	190	-0.7	481	260	
09:29:40	20	50	-0.5	460	221	
09:30:00	20	40	-0.5	453	235	
09:30:20	20	40	-0.4	461	271	
09:30:40	20	40	-0.3	462	272	
09:31:00	20	40	-0.1	461	270	
09:31:20	20	40	-0.1	451	280	
09:31:40	20	40	-0.1	445	231	

PARTICLES PER CC (X 10)																NOTE	
TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15		
3244	5860	1150	504	290	290	3	10	3	10	0	0	3	0	0	0		
3025	6337	1304	553	420	239	10	10	6	0	0	0	0	0	0	0		
3256	5474	1147	603	510	418	19	0	6	0	0	0	0	0	0	0		
3353	5420	1404	773	522	539	80	10	15	13	10	0	0	0	0	0		
3501	5938	1322	721	437	537	18	16	13	0	0	0	0	0	0	0		
3012	4564	1397	792	537	567	67	6	5	13	5	0	0	0	0	0		
2017	4007	1708	1100	959	955	156	16	3	13	13	3	0	0	0	0		
3119	4095	1340	925	718	733	221	3	19	26	10	0	0	0	0	0		
7078	4671	1227	798	507	533	138	16	10	0	0	0	0	0	0	0		
7335	4300	1345	917	522	571	93	10	0	0	0	0	0	0	0	0		
7540	4247	1189	750	575	551	40	6	3	0	0	0	0	0	0	0		
7531	4731	1115	660	465	510	42	0	0	13	10	0	0	0	0	0		
7302	5000	1017	542	711	701	28	0	0	0	0	0	0	0	0	0		
5539	4930	1094	717	144	77	0	3	0	0	0	0	0	0	0	0		
5029	4462	774	266	136	80	0	3	0	0	0	0	0	0	0	0		
5327	4530	1051	292	163	113	3	0	0	0	0	0	0	0	0	0		
5256	4800	252	209	141	90	3	0	0	0	0	0	0	0	0	0		
5373	4180	770	308	103	26	3	0	0	0	0	0	0	0	0	0		
5252	4750	1000	279	128	67	0	0	0	0	0	0	0	0	0	0		
5453	4135	795	293	131	51	6	0	0	0	0	0	0	0	0	0		

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	DOWN	RADIATION FLUX	PARTIC-15 PER CC (X 10)															NOTE
							TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 5	CH 7	CH 8	CH 9	CH 3	CH 10	CH 11	CH 12	CH 13	
09:39:20	30	4	40	.1	424	206	5013	3550	323	432	348	239	139	152	137	49	0	0	2	0	2	
09:39:50	30	4	40	.2	428	243	5038	3503	944	459	299	239	171	147	34	66	11	0	5	6	2	0
09:40:20	30	4	40	.2	441	252	5018	3534	957	429	291	160	150	120	120	32	2	0	0	2	2	4
09:40:50	30	4	40	.1	437	243	5774	3470	370	479	325	212	135	145	103	45	9	0	5	2	2	4
09:41:20	30	4	40	.2	427	201	5051	4173	304	374	182	128	113	81	73	21	2	0	0	0	0	0
09:41:50	30	4	40	.3	412	230	5226	4430	310	308	199	120	90	43	47	11	4	2	0	0	2	0
09:42:20	30	4	40	.5	404	270	5051	4214	1002	346	130	135	68	81	56	11	6	0	0	0	0	0
09:42:50	30	4	40	.4	445	273	5030	4201	336	345	201	150	100	81	49	15	2	2	2	0	2	2
09:43:20	30	4	40	.3	431	315	5878	3200	509	491	274	248	171	125	118	34	4	2	4	6	2	2
09:43:50	30	4	40	.3	457	291	5571	3701	347	530	417	280	250	241	179	45	0	4	9	2	0	6
09:44:20	30	4	40	.3	465	300	5712	2700	342	538	438	292	250	188	212	68	2	2	2	0	11	9
09:44:50	30	4	40	.3	459	270	5735	2536	374	703	435	343	233	244	194	43	4	4	2	2	2	2

1102

[illegible]

DATE -- 02/28/76

NOTE

LOCAL SAMPLE PROCE ALT. AIR RADIATION
TIME RANGE (M) TEMP. FLUX
D-F C DOWN UP

TIME	RANGE	ALT.	TEMP.	D-F	C	DOWN	UP	TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15
10:19:00	20	4	990	-1	461	237	5548	2715	310	497	321	219	130	144	77	10	6	6	6	6	6	6	6
10:19:20	20	4	860	.1	407	280	5275	3071	301	513	240	202	103	107	48	3	3	3	3	3	3	3	3
10:19:40	20	4	780	.2	460	283	5335	3372	335	474	301	147	113	105	80	3	3	3	3	3	3	3	3
10:20:00	20	4	640	.1	421	300	5208	2900	621	464	45	228	103	170	103	3	3	3	3	3	3	3	3
10:20:20	20	4	550	.3	437	302	5071	2940	337	465	324	136	179	131	83	3	3	3	3	3	3	3	3
10:20:40	20	4	470	.5	430	300	4817	2703	327	423	304	157	171	112	97	3	3	3	3	3	3	3	3
10:21:00	20	4	330	.4	396	304	5250	3323	225	436	247	199	83	37	32	3	3	3	3	3	3	3	3
10:21:20	20	4	200	.5	400	313	5022	2110	763	415	247	189	100	112	54	3	3	3	3	3	3	3	3
10:21:40	20	4	120	.5	414	313	5341	3431	302	462	240	180	122	123	61	3	3	3	3	3	3	3	3
10:22:00	20	4	70	.9	400	335	5282	3255	937	380	279	152	103	105	38	3	3	3	3	3	3	3	3
10:22:20	20	4	35	1.1	471	350	5356	3551	365	303	180	129	109	109	71	3	3	3	3	3	3	3	3
10:22:40	20	4	75	1.0	472	343	5170	3340	511	311	247	196	109	109	30	3	3	3	3	3	3	3	3
10:23:00	20	4	35	1.0	464	353	4252	3170	375	302	205	154	33	77	16	3	3	3	3	3	3	3	3
10:23:20	30	3	35	1.2	472	334	5212	4770	372	207	125	62	4	2	0	3	3	3	3	3	3	3	3
10:23:40	30	3	35	1.2	461	337	5373	4974	305	276	155	56	56	0	4	3	3	3	3	3	3	3	3
10:24:00	30	3	35	1.2	480	350	5126	4740	357	214	147	51	0	0	0	3	3	3	3	3	3	3	3
10:24:20	30	3	35	1.4	434	353	5952	4622	902	259	124	51	0	0	0	2	2	2	2	2	2	2	2
10:24:40	30	3	35	1.4	467	347	5045	4707	876	261	133	49	0	0	0	2	2	2	2	2	2	2	2
10:25:00	30	3	105	1.3	447	341	5513	4340	305	213	115	41	0	0	0	2	2	2	2	2	2	2	2
10:25:20	30	3	105	1.3	470	342	5041	4331	853	271	129	29	0	0	0	2	2	2	2	2	2	2	2
10:25:40	30	3	105	1.3	477	344	5541	4246	321	205	129	41	0	0	0	2	2	2	2	2	2	2	2
10:26:00	30	3	215	1.8	479	326	5686	4355	814	201	122	32	0	0	0	2	2	2	2	2	2	2	2
10:26:20	30	3	215	1.9	443	327	5491	4290	305	231	117	33	0	0	0	2	2	2	2	2	2	2	2
10:26:40	30	3	215	1.9	450	328	5050	4370	605	252	122	29	0	0	0	2	2	2	2	2	2	2	2
10:27:00	30	3	305	2.0	472	323	5511	4293	913	200	90	47	0	0	0	2	2	2	2	2	2	2	2
10:27:20	30	3	305	2.2	472	325	5468	4300	248	241	111	30	0	0	0	2	2	2	2	2	2	2	2
10:27:40	30	3	305	2.0	471	322	5359	4171	735	214	152	50	0	0	0	2	2	2	2	2	2	2	2
10:28:00	30	3	405	2.0	471	322	5475	4207	920	271	120	45	0	0	0	2	2	2	2	2	2	2	2
10:28:20	30	3	405	2.1	451	323	5637	4332	333	251	126	23	0	0	0	2	2	2	2	2	2	2	2
10:28:40	30	3	405	2.1	462	313	5259	4052	767	246	124	21	0	0	0	2	2	2	2	2	2	2	2
10:29:00	30	3	495	2.0	441	312	5573	4385	923	234	130	26	0	0	0	2	2	2	2	2	2	2	2
10:29:20	30	3	405	1.9	474	310	5560	4404	751	220	117	24	0	0	0	2	2	2	2	2	2	2	2
10:29:40	30	3	495	2.0	474	313	5395	4214	750	236	103	24	0	0	0	2	2	2	2	2	2	2	2
10:30:00	30	3	605	1.6	450	305	5855	4500	868	251	162	34	0	0	0	2	2	2	2	2	2	2	2
10:30:20	30	3	505	1.6	440	308	5347	4520	343	254	160	34	0	0	0	2	2	2	2	2	2	2	2
10:30:40	30	3	605	1.6	446	303	5788	4417	821	238	147	28	0	0	0	2	2	2	2	2	2	2	2
10:31:00	30	3	715	1.6	452	303	5520	4370	303	252	154	29	0	0	0	2	2	2	2	2	2	2	2
10:31:20	30	3	715	1.6	412	300	6049	4643	868	212	165	49	0	0	0	2	2	2	2	2	2	2	2
10:31:40	30	3	815	1.5	433	294	5519	4507	774	322	175	21	0	0	0	2	2	2	2	2	2	2	2
10:32:00	30	3	815	1.5	424	305	5399	4474	329	271	160	23	0	0	0	2	2	2	2	2	2	2	2
10:32:20	30	3	915	1.5	457	301	5735	4417	314	314	155	19	0	0	0	2	2	2	2	2	2	2	2
10:32:40	30	3	925	1.5	445	297	6152	4657	908	293	205	28	0	0	0	2	2	2	2	2	2	2	2
10:33:00	30	3	925	1.5	439	301	5019	4554	391	248	167	33	0	0	0	2	2	2	2	2	2	2	2
10:33:20	30	3	925	1.5	470	293	6013	4607	835	329	192	19	0	0	0	2	2	2	2	2	2	2	2
10:33:40	30	3	1025	1.4	443	302	5937	4507	780	251	215	13	0	0	0	2	2	2	2	2	2	2	2
10:34:00	30	3	1025	1.5	466	302	5761	4415	818	268	179	22	0	0	0	2	2	2	2	2	2	2	2
10:34:20	30	3	1025	1.8	479	308	5592	4421	797	267	171	13	0	0	0	2	2	2	2	2	2	2	2
10:34:40	30	3	1125	1.8	478	301	5603	4410	752	246	141	28	0	0	0	2	2	2	2	2	2	2	2
10:35:00	30	3	1125	1.3	411	307	5571	4376	333	253	141	45	0	0	0	2	2	2	2	2	2	2	2

DATE -- 02/28/76

NOTE

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE (M)	ALT. TIME DTC	RADIATION FLUX C/D	PARTICLES PER CC (X 10 ¹⁰)															CH15
					TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	
10:55:50	30	3	1175	1.9	457	307	721	212	150	17	2	6	11	1	0	0	0	0	0	0
10:55:10	30	3	1275	1.8	475	294	759	257	141	21	4	6	0	4	0	0	0	0	0	0
10:55:40	30	3	1275	1.6	521	297	746	297	139	38	2	4	2	0	0	0	0	0	0	0
10:55:10	30	3	1275	1.9	455	301	592	442	142	24	6	5	4	2	0	0	0	0	0	0
11:00:10	30	3	1375	1.9	455	294	555	424	130	34	2	4	2	2	0	0	0	0	0	0
11:00:50	30	3	1375	1.9	455	294	554	439	100	13	4	4	4	0	0	0	0	0	0	0
11:01:20	30	3	1775	1.9	450	291	573	427	124	12	4	2	2	0	0	0	0	0	0	0
11:01:50	30	3	1445	1.9	445	304	551	423	159	21	4	4	6	2	0	0	0	0	0	0
11:02:30	30	3	1445	1.9	440	302	502	402	137	120	2	2	2	0	0	0	0	0	0	0
11:04:00	30	3	1445	2.1	454	313	535	453	154	19	4	2	2	0	0	0	0	0	0	0
11:05:10	30	3	1555	2.1	445	297	555	431	150	21	4	2	2	0	0	0	0	0	0	0
11:05:40	30	3	1555	1.9	450	293	524	410	145	17	4	0	2	2	0	0	0	0	0	0
11:06:10	30	3	1555	2.0	470	230	575	410	145	19	0	4	6	3	0	0	0	0	0	0
11:06:30	20	3	1555	2.0	454	293	541	429	131	6	0	5	3	3	0	0	0	0	0	0
11:06:50	20	3	1555	2.0	424	297	516	411	147	16	2	0	3	0	0	0	0	0	0	0
11:07:10	20	3	1555	1.9	439	303	541	429	151	32	0	3	0	3	0	0	0	0	0	0
11:07:30	20	3	1475	1.9	447	311	504	390	128	22	0	10	0	3	0	0	0	0	0	0
11:07:50	20	3	1300	2.0	558	312	521	412	115	26	5	0	0	3	0	0	0	0	0	0
11:08:10	20	3	1275	2.2	484	310	521	402	154	13	3	3	6	0	0	0	0	0	0	0
11:08:30	20	3	1170	2.2	557	320	515	401	99	10	0	5	0	3	0	0	0	0	0	0
11:08:50	20	3	1075	2.3	430	332	528	425	98	19	3	3	3	0	0	0	0	0	0	0
11:09:10	20	3	900	2.4	453	330	451	352	102	29	6	0	3	3	0	0	0	0	0	0
11:09:30	20	3	610	2.7	472	327	502	392	122	6	10	0	3	0	0	0	0	0	0	0
11:09:50	20	3	590	2.4	477	331	430	333	139	13	0	0	3	0	0	0	0	0	0	0
11:10:10	20	3	575	2.5	470	330	523	410	103	13	10	0	3	0	0	0	0	0	0	0
11:10:30	20	3	470	2.3	451	333	522	390	112	10	0	0	3	0	0	0	0	0	0	0
11:10:50	20	3	390	2.7	483	337	501	391	77	13	6	3	3	0	0	0	0	0	0	0
11:11:10	20	3	280	2.8	466	337	520	410	97	6	3	10	3	3	0	0	0	0	0	0
11:11:30	20	3	170	2.5	527	354	470	371	100	6	0	0	6	3	0	0	0	0	0	0
11:11:50	20	3	70	3.2	434	374	413	390	87	19	3	3	0	3	0	0	0	0	0	0
11:12:10	20	3	70	3.3	410	380	404	371	77	12	6	3	16	0	0	0	0	0	0	0
11:12:30	20	3	70	3.4	451	379	413	372	99	10	0	0	0	3	0	0	0	0	0	0
11:12:50	20	3	70	3.7	454	370	401	351	112	17	16	6	3	0	0	0	0	0	0	0

LOCAL TIME	SAMPLE TIME	PROCE	ALT.	APD RADIATION
		RANGE	(M)	FLUX
				TEMP.
				SEC C
				DOWN UP
				(SEC)
0000	0000	0000	0000	0000
0001	0001	0001	0001	0001
0002	0002	0002	0002	0002
0003	0003	0003	0003	0003
0004	0004	0004	0004	0004
0005	0005	0005	0005	0005
0006	0006	0006	0006	0006
0007	0007	0007	0007	0007
0008	0008	0008	0008	0008
0009	0009	0009	0009	0009
0010	0010	0010	0010	0010
0011	0011	0011	0011	0011
0012	0012	0012	0012	0012
0013	0013	0013	0013	0013
0014	0014	0014	0014	0014
0015	0015	0015	0015	0015
0016	0016	0016	0016	0016
0017	0017	0017	0017	0017
0018	0018	0018	0018	0018
0019	0019	0019	0019	0019
0020	0020	0020	0020	0020
0021	0021	0021	0021	0021
0022	0022	0022	0022	0022
0023	0023	0023	0023	0023
0024	0024	0024	0024	0024
0025	0025	0025	0025	0025
0026	0026	0026	0026	0026
0027	0027	0027	0027	0027
0028	0028	0028	0028	0028
0029	0029	0029	0029	0029
0030	0030	0030	0030	0030
0031	0031	0031	0031	0031
0032	0032	0032	0032	0032
0033	0033	0033	0033	0033
0034	0034	0034	0034	0034
0035	0035	0035	0035	0035
0036	0036	0036	0036	0036
0037	0037	0037	0037	0037
0038	0038	0038	0038	0038
0039	0039	0039	0039	0039
0040	0040	0040	0040	0040
0041	0041	0041	0041	0041
0042	0042	0042	0042	0042
0043	0043	0043	0043	0043
0044	0044	0044	0044	0044
0045	0045	0045	0045	0045
0046	0046	0046	0046	0046
0047	0047	0047	0047	0047
0048	0048	0048	0048	0048
0049	0049	0049	0049	0049
0050	0050	0050	0050	0050
0051	0051	0051	0051	0051
0052	0052	0052	0052	0052
0053	0053	0053	0053	0053
0054	0054	0054	0054	0054
0055	0055	0055	0055	0055
0056	0056	0056	0056	0056
0057	0057	0057	0057	0057
0058	0058	0058	0058	0058
0059	0059	0059	0059	0059
0060	0060	0060	0060	0060
0061	0061	0061	0061	0061
0062	0062	0062	0062	0062
0063	0063	0063	0063	0063
0064	0064	0064	0064	0064
0065	0065	0065	0065	0065
0066	0066	0066	0066	0066
0067	0067	0067		

NOTE

[illegible]

DATE -- 03/01/70

NOTE

LOCAL SAMPLE PROBE ALT. 170 RADIATION

TIME RANGE (M) TEMP. FLUX

(SEC) (SEC) COMB. UF

PARTICLE SIZE CC (X 10³)

TIME (SEC)	RANGE (M)	ALT. (M)	TEMP. (°C)	FLUX (COMB. UF)	TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15
09:13:00	60	4	5.0	402	1552	1966	197	95	31	16	11	10	1	1	1	1	1	1	1	0
09:14:00	60	4	5.0	407	2334	1330	425	91	37	19	15	6	1	1	1	2	3	1	1	0
09:15:00	60	4	5.2	410	2554	1942	372	106	40	19	10	4	1	1	2	1	1	2	2	1
09:16:00	60	4	5.0	410	2532	2022	439	122	44	19	10	11	3	1	1	0	1	0	0	0
09:17:00	60	4	4.9	421	2527	1957	415	98	35	16	17	6	2	2	1	1	1	0	0	0
09:18:00	60	4	5.0	413	2574	2043	427	107	41	17	15	4	3	4	3	2	1	1	0	0
09:19:00	60	4	4.0	410	2554	1967	400	95	42	25	11	7	1	1	0	1	1	1	0	1
09:20:00	60	4	4.5	414	2343	1355	353	103	32	17	14	1	4	4	1	1	3	3	1	0
09:21:00	60	4	4.0	422	2551	1770	374	119	41	17	9	0	1	2	0	1	1	1	0	0
09:22:00	60	4	4.3	424	2205	1754	344	92	23	20	13	2	2	1	1	0	0	0	0	1
09:23:00	60	4	4.5	420	2275	1705	300	102	22	21	3	1	2	2	3	0	0	0	0	0
09:24:00	60	4	5.0	420	2126	1575	354	105	45	19	17	3	4	2	2	1	1	1	0	0
09:25:00	60	4	5.0	410	2072	1557	351	72	20	17	7	2	0	1	1	1	0	0	0	1
09:26:00	60	4	5.0	420	2275	1731	373	90	32	22	12	4	2	1	3	2	1	1	0	0
09:27:00	60	4	5.0	420	2167	1551	306	100	23	16	14	2	2	1	0	1	1	1	0	0
09:28:00	60	4	5.3	425	2123	1533	347	93	54	14	12	4	0	0	0	1	2	1	1	0
09:29:00	60	4	5.3	405	1649	1405	277	51	20	22	15	3	1	0	0	1	0	1	1	0
09:30:00	60	4	5.2	410	1391	1405	335	32	29	15	9	1	0	1	2	1	1	0	0	1
09:31:00	60	4	5.5	420	1723	1270	300	92	20	12	6	0	4	1	2	1	1	2	0	0
09:32:00	60	4	5.2	423	1303	1370	267	94	31	13	11	3	2	2	2	1	1	0	0	0
09:33:00	60	4	5.3	416	1668	1246	264	92	22	20	12	3	4	2	1	1	0	0	0	0
09:34:00	60	4	5.2	410	1308	1352	235	94	24	30	12	3	2	1	0	3	1	1	0	0
09:35:00	60	4	5.0	474	1628	1200	294	86	20	7	11	3	2	1	0	1	0	1	1	1
09:36:00	60	4	5.5	412	1551	1225	235	93	24	3	7	2	0	0	1	2	0	0	0	0
09:37:00	60	4	5.5	412	1610	1155	264	81	37	11	11	2	0	1	1	1	0	0	0	0
09:38:00	60	4	5.2	412	1527	1127	249	31	45	16	9	6	2	0	0	1	0	1	0	0
09:39:00	60	4	5.2	412	1515	1115	241	51	22	20	4	4	0	0	0	1	0	0	0	0
09:40:00	60	4	5.2	414	1593	1175	284	92	30	13	3	3	2	2	0	1	0	0	0	0
09:41:00	60	4	5.5	415	1400	1105	225	73	25	14	6	1	1	0	0	1	0	0	0	0
09:42:00	60	4	5.7	420	1371	993	222	73	29	10	10	3	2	0	1	0	0	0	0	1
09:43:00	60	4	5.5	422	1474	1071	270	79	31	12	7	0	2	1	1	1	0	0	0	0
09:44:00	60	4	5.7	422	1405	1023	239	70	29	13	11	4	0	0	1	1	0	0	0	1
09:45:00	60	4	5.2	441	1441	1007	221	85	27	20	2	3	0	2	1	1	0	0	0	0
09:46:00	60	4	5.6	442	1553	1127	291	72	32	13	12	3	3	0	1	0	0	1	0	0
09:47:00	60	4	5.6	437	1418	1023	235	73	20	15	12	4	4	0	0	3	1	0	0	0
09:48:00	60	4	5.3	426	1390	937	240	74	34	19	10	5	0	0	1	1	0	0	0	0
09:49:00	60	4	5.3	426	1552	1104	274	54	41	9	7	4	0	0	0	1	0	0	0	0
09:50:00	60	4	5.5	417	1327	943	222	34	30	10	7	1	0	0	1	1	0	0	0	0
09:51:00	60	4	5.7	471	1063	725	203	72	27	16	11	2	2	1	1	0	0	0	0	0
09:52:00	60	4	5.5	410	1118	313	180	59	25	12	9	3	1	1	0	0	0	0	0	0
09:53:00	60	4	5.5	420	1051	740	193	51	31	14	6	3	0	1	1	0	0	0	0	0
09:54:00	60	4	5.3	430	1160	846	198	53	30	13	11	0	0	1	0	0	0	0	0	0
09:55:00	60	4	5.7	434	1033	770	136	59	33	12	9	1	0	1	0	0	0	0	0	0
09:56:00	60	4	6.7	438	946	641	174	74	32	12	7	2	2	1	0	0	0	0	0	0
09:57:00	60	4	5.4	442	932	581	163	74	32	16	7	2	3	1	0	0	0	0	0	0
09:58:00	60	4	6.4	447	920	611	173	43	29	10	5	0	0	0	0	0	0	0	0	0
09:59:00	60	4	6.1	449	1090	750	139	63	35	9	12	2	0	0	1	0	0	0	0	0
10:00:00	60	4	5.4	452	1166	210	64	27	11	6	2	2	0	0	1	2	1	0	0	0
10:01:00	60	4	6.5	458	979	533	172	73	21	11	10	3	3	0	0	0	0	0	0	0
10:02:00	60	4	6.4	460	1025	737	177	69	22	15	5	3	1	0	1	0	0	0	0	1

DATE -- 03/01/76

LOCAL SAMPLE PROBE ALT. 179 RADIATION
TIME RANGE (M) T.M.P. FLUX
(SEC) 0-2 C DOWN UP

NOTE

TOTAL CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15
1145	763	177	88	40	24	15	15	0	0	0	0	0	0	0
1171	700	201	73	24	13	4	4	0	0	0	0	0	0	0
1248	853	207	36	58	20	4	4	0	0	0	0	0	0	0
1171	763	250	30	26	19	0	0	0	0	0	0	0	0	0
1201	810	150	105	30	24	11	11	0	0	0	0	0	0	0
1030	733	175	94	33	24	2	2	0	0	0	0	0	0	0
997	600	175	100	45	26	13	13	0	0	0	0	0	0	0
1033	647	133	90	46	23	12	12	0	0	0	0	0	0	0
999	627	150	90	47	22	12	12	0	0	0	0	0	0	0
1229	340	204	91	40	25	12	12	0	0	0	0	0	0	0
1047	640	204	90	46	23	14	14	0	0	0	0	0	0	0
1031	700	134	95	50	23	11	11	0	0	0	0	0	0	0
1046	642	207	90	41	27	11	11	0	0	0	0	0	0	0
935	500	187	102	40	21	13	13	0	0	0	0	0	0	0
1053	600	204	90	47	22	17	17	0	0	0	0	0	0	0
1109	730	244	101	34	23	9	9	0	0	0	0	0	0	0
1432	980	274	95	42	19	11	11	0	0	0	0	0	0	0
1438	1013	244	103	35	13	12	12	0	0	0	0	0	0	0
1402	901	230	121	51	20	12	12	0	0	0	0	0	0	0
1410	974	279	94	30	17	10	10	0	0	0	0	0	0	0
1241	900	257	103	27	17	18	18	0	0	0	0	0	0	0
1356	908	209	101	40	29	11	11	0	0	0	0	0	0	0
1225	800	220	96	46	22	13	13	0	0	0	0	0	0	0
1197	790	225	99	33	21	12	12	0	0	0	0	0	0	0
1191	761	247	97	41	23	10	10	0	0	0	0	0	0	0
1124	733	234	93	40	15	13	13	0	0	0	0	0	0	0
1237	754	258	96	40	23	14	14	0	0	0	0	0	0	0
1241	753	272	115	47	22	15	15	0	0	0	0	0	0	0
1183	740	254	88	40	22	14	14	0	0	0	0	0	0	0
1154	723	251	90	42	20	8	8	0	0	0	0	0	0	0
1193	771	247	90	42	20	12	12	0	0	0	0	0	0	0
1190	765	233	94	45	19	13	13	0	0	0	0	0	0	0
1181	747	234	96	51	22	12	12	0	0	0	0	0	0	0
1094	578	227	91	44	26	13	13	0	0	0	0	0	0	0
1050	611	221	112	45	22	15	15	0	0	0	0	0	0	0
1036	647	220	90	45	25	13	13	0	0	0	0	0	0	0
1083	670	219	81	50	24	16	16	0	0	0	0	0	0	0
1094	672	213	96	52	27	17	17	0	0	0	0	0	0	0
1219	700	263	100	33	30	10	10	0	0	0	0	0	0	0
1241	703	250	93	47	25	15	15	0	0	0	0	0	0	0
1129	712	223	100	48	19	16	16	0	0	0	0	0	0	0
1128	722	221	87	45	24	13	13	0	0	0	0	0	0	0
1160	723	244	94	47	23	6	6	0	0	0	0	0	0	0
1314	859	249	100	48	28	14	14	0	0	0	0	0	0	0
1417	903	315	101	40	30	16	16	0	0	0	0	0	0	0
1604	1060	315	134	52	10	10	10	0	0	0	0	0	0	0
1728	1190	340	115	47	13	15	15	0	0	0	0	0	0	0
1709	1150	353	99	47	22	10	10	0	0	0	0	0	0	0
1738	1187	339	117	47	24	11	11	0	0	0	0	0	0	0
1619	1108	297	117	51	22	13	13	0	0	0	0	0	0	0

DATE -- 03/01/75

NOTE

LOCAL TIME	SAMPLE TIME (SEC)	PROTE RANGE (M)	ALT. (M)	TEMP. C	RADIATION DOWN	UP	PARTICLES PER CC (X 10 ⁴)																NOTE
							TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15	
13:00:30	100	4	00	2.3	3	0	1457	970	283	109	47	19	13	8	2	1	1	1	1	1	1	1	0
13:01:10	100	4	00	2.3	0	0	1392	930	272	103	42	21	10	9	2	1	1	1	1	1	1	1	0
13:01:50	100	4	00	2.3	0	0	1408	913	273	115	51	22	15	7	3	1	1	1	1	1	1	1	0
13:02:30	100	4	00	2.3	4	0	1417	907	285	112	52	24	15	8	3	1	1	1	1	1	1	1	0
13:03:10	100	4	00	2.3	4	0	1435	938	294	101	57	22	13	5	1	2	0	0	0	0	0	0	0
13:03:50	100	4	00	2.1	2	0	1427	940	301	104	44	10	10	10	1	1	1	1	1	1	1	1	0
13:04:30	100	4	00	2.1	3	0	1308	847	257	98	57	19	10	8	1	1	1	1	1	1	1	1	0
13:05:10	100	4	00	1.8	3	0	1215	727	258	112	46	24	13	13	1	1	1	1	1	1	1	1	0
13:05:50	100	4	00	1.5	3	0	1130	713	237	104	65	24	17	12	5	3	1	1	1	1	1	1	0
13:06:30	100	4	00	1.4	3	0	1122	676	232	98	62	21	14	12	3	1	1	1	1	1	1	1	0
13:07:10	100	4	00	1.4	2	0	1124	592	217	97	51	29	15	11	3	1	1	1	1	1	1	1	0
13:07:50	100	4	00	1.4	2	0	1037	651	200	99	46	27	15	11	3	1	1	1	1	1	1	1	0
13:08:30	100	4	00	1.4	2	0	1054	507	230	90	56	33	15	10	3	1	1	1	1	1	1	1	0
13:09:10	100	4	00	1.4	2	0	1044	623	208	88	40	31	17	15	3	2	0	0	0	0	0	0	0
13:09:50	100	4	00	1.4	2	0	998	580	204	91	46	30	16	10	1	0	0	0	0	0	0	0	0
13:10:30	100	4	00	1.4	2	0	1018	605	190	97	60	28	15	12	3	1	1	1	1	1	1	1	0
13:11:10	100	4	00	1.4	2	0	1020	590	204	104	61	25	14	11	4	1	2	2	1	1	1	1	0
13:11:50	100	4	00	1.4	2	0	950	542	201	80	52	29	16	15	2	1	0	0	0	0	0	0	0
13:12:30	100	4	00	1.3	2	0	959	540	194	90	56	25	16	10	3	2	1	0	0	0	0	0	0
13:13:10	100	4	00	1.4	2	0	892	457	192	74	58	28	21	15	2	2	0	0	0	0	0	0	0
13:13:50	100	4	00	1.3	2	0	934	494	190	105	40	29	18	10	1	1	1	1	1	1	1	1	0
13:14:30	100	4	00	1.2	2	0	917	515	204	83	54	31	13	12	2	1	0	0	0	0	0	0	0
13:15:10	100	4	00	1.1	2	0	929	522	195	105	47	34	13	10	2	1	0	0	0	0	0	0	0
13:15:50	100	4	00	1.0	2	0	1008	596	203	105	46	23	16	9	2	1	0	0	0	0	0	0	0
13:16:30	100	4	00	1.0	2	0	1031	611	210	97	42	24	21	12	5	3	1	1	1	1	1	1	0
13:17:10	100	4	00	.9	2	0	1027	605	222	102	47	27	18	12	2	1	0	0	0	0	0	0	0
13:17:50	100	4	00	.9	2	0	949	595	184	72	44	27	15	11	5	3	1	1	1	1	1	1	0
13:18:30	100	4	00	1.0	2	0	919	542	199	90	40	30	12	15	3	1	0	0	0	0	0	0	0
13:19:10	100	4	00	.9	2	0	931	593	201	92	53	30	16	15	3	1	1	1	1	1	1	1	0
13:19:50	100	4	00	1.0	2	0	931	512	199	99	52	23	16	12	6	1	1	1	1	1	1	1	0
13:20:30	100	4	00	.9	2	0	947	553	200	92	42	28	19	12	1	1	0	0	0	0	0	0	0
13:21:10	100	4	00	1.0	2	0	971	530	187	90	50	28	22	16	4	1	0	0	0	0	0	0	0
13:21:50	100	4	00	1.0	2	0	1001	563	212	96	50	26	21	17	3	1	0	0	0	0	0	0	0
13:22:30	100	4	00	.9	2	0	968	542	210	102	51	24	15	11	3	1	0	0	0	0	0	0	0
13:23:10	100	4	00	.9	2	0	992	593	199	99	40	28	20	13	3	1	0	0	0	0	0	0	0
13:23:50	100	4	00	.9	2	0	1016	602	201	92	50	25	13	15	5	3	1	0	0	0	0	0	0
13:24:30	100	4	00	.9	2	0	1079	629	224	101	56	23	19	12	3	1	0	0	0	0	0	0	0
13:25:10	100	4	00	.9	2	0	1072	626	214	89	59	26	15	12	4	1	0	0	0	0	0	0	0
13:25:50	100	4	00	.9	2	0	1049	593	228	106	54	24	17	12	4	1	0	0	0	0	0	0	0
13:26:30	100	4	00	.8	2	0	1109	647	240	108	47	23	17	17	3	1	0	0	0	0	0	0	0
13:27:10	100	4	00	1.0	2	0	977	540	213	99	43	33	17	8	4	1	0	0	0	0	0	0	0
13:27:50	100	4	00	1.0	2	0	940	540	195	102	46	22	17	12	4	1	0	0	0	0	0	0	0
13:28:30	100	4	00	1.0	2	0	981	562	217	82	46	23	21	12	4	1	0	0	0	0	0	0	0
13:29:10	100	4	00	1.0	2	0	1002	573	203	92	50	24	17	15	4	1	0	0	0	0	0	0	0
13:29:50	100	4	00	.8	2	0	1072	601	233	116	50	30	16	12	3	2	0	0	0	0	0	0	0
13:30:30	100	4	00	.7	2	0	1039	604	221	103	48	30	13	13	2	2	0	0	0	0	0	0	0
13:31:10	100	4	00	.7	2	0	1065	654	227	96	47	20	14	12	1	1	0	0	0	0	0	0	0
13:31:50	100	4	00	.7	2	0	1114	623	253	104	57	20	17	15	4	1	0	0	0	0	0	0	0
13:32:30	100	4	00	.7	2	0	1074	626	226	98	57	20	17	15	4	1	0	0	0	0	0	0	0
13:33:10	100	4	00	.5	2	0	1110	640	244	104	55	23	17	12	2	1	0	0	0	0	0	0	0

DATE -- 01/01/76

LOCAL TIME	SAMPLE RANGE (SEC)	ALT. (M)	RAD. TEMP. (°C)	RADIATION FLUX (R/hr)	DOWN: UP	PARTICLES PER CC (X 10 ¹⁰)															NOTE
						TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	
10:22:00	100	4	00	0.6	2	1195	710	257	105	54	21	19	2	1	1	1	0	0	1	1	
10:24:00	100	4	05	0.4	2	1225	745	267	101	57	21	24	8	1	0	1	2	0	0	0	
10:26:00	100	4	00	0.2	2	1370	810	301	133	20	20	13	12	2	1	0	0	1	1	0	
10:37:00	100	4	00	0.3	2	1470	927	330	130	53	30	13	10	4	1	2	3	1	1	0	
10:39:00	100	4	00	0.2	2	1500	950	320	124	57	30	15	8	3	1	1	1	2	1	0	
10:41:00	100	4	00	0.0	2	1555	994	303	123	48	31	15	17	1	1	1	1	2	3	3	
10:43:00	100	4	00	0.0	2	1472	914	300	100	60	26	19	12	2	1	0	1	2	1	1	
10:44:00	100	4	00	0.4	2	1413	832	274	113	52	35	22	10	3	1	1	2	0	3	2	
10:46:00	100	4	00	0.3	2	1308	870	290	112	48	31	17	12	3	1	1	0	3	2	1	
10:47:00	100	4	00	0.4	2	1374	862	272	114	50	30	19	13	5	1	1	0	1	1	3	
10:49:00	100	4	00	0.4	2	1290	850	250	101	67	32	17	12	8	1	0	1	4	1	1	
10:51:00	100	4	00	0.5	2	1403	903	271	111	51	28	12	20	3	1	1	1	0	1	0	
10:53:00	100	4	00	0.1	2	1410	900	265	111	57	23	14	9	3	1	0	1	1	0	0	
10:54:00	100	4	00	0.5	2	1431	935	295	120	55	38	15	11	4	0	1	1	1	3	1	
10:56:00	100	4	00	0.6	2	1542	1010	301	110	50	24	17	12	6	1	0	0	2	1	1	
10:57:00	100	4	00	0.6	2	1423	915	270	120	55	37	14	16	1	1	3	1	0	3	1	
10:59:00	100	4	00	0.6	2	1428	857	300	121	62	41	10	15	8	1	0	1	3	1	0	
20:01:00	100	4	00	0.7	2	1404	950	230	115	57	37	17	11	4	1	1	1	0	1	1	
20:02:00	100	4	00	0.7	2	1555	1001	314	117	53	32	12	11	4	1	1	1	0	1	1	
20:04:00	100	4	00	0.7	2	1300	1011	323	128	54	22	13	13	7	1	1	1	1	0	1	
20:06:00	100	4	00	0.6	2	1627	1057	332	117	60	26	15	10	5	2	1	1	0	1	1	
20:07:00	100	4	00	0.7	2	1513	934	290	124	43	24	12	10	5	1	1	1	0	1	0	
20:09:00	100	4	00	0.6	2	1467	920	290	124	60	37	13	10	6	1	1	0	1	2	0	

Copy of
permit fully
100% dist
production

NOTE 1: OVERCAST, WIND SIZAR AT 150 METERS, 0314 TO 0922 HRS
NOTE 2: PREVIOUS SAMPLE OVERFLOWED
NOTE 3: FROST ON BALLOON TETHER WHEN BROUGHT DOWN
NOTE 4: ODD CHANNELS HAVE HIGHER COUNTS??
NOTE 5: BALLOON ALMOST OBSCURED AT 150 METERS
NOTE 6: THIS NOTE APPLIES TO THE 2/25/79 DATA TAKEN 1030 THROUGH 1130 HOURS DURING 4 ASCENT/DESCENT CYCLES. ALL 4 FANCES COVERED. SAMPLES WERE 20 SECONDS IN DURATION.
NOTE 7: STRONG WINDS ABOVE 150 METERS. AT 130 METERS THERE WAS SIGNIFICANT GEOMETRY ERROR IN ALTITUDE.
NOTE 8: BIMODAL SIZE DISTRIBUTION??
NOTE 9: VISIBILITY .5-.7KM
NOTE 10: BALLOON NOT VISIBLE
NOTE 11: BALLOON BARELY VISIBLE
NOTE 12: VISIBILITY ESTIMATED TO BE 2 KM
NOTE 13: EQUIPMENT FAILURE
NOTE 14: BALLOON JUST ENTERED CLOUDS
NOTE 15: OVERLOAD:CHECK TOTAL PARTICLE COUNT
NOTE 16: SUN JUST VISIBLE THROUGH THE OVERCAST
NOTE 17: BALLOON CLEARLY VISIBLE AT 180M CLEARING RAPIDLY
NOTE 18: SKY VERY THINLY OVERCAST-ALMOST BLUE, Flux measurements analog not working 7:35 thru 8:08 Hours
NOTE 19: BLUE SKY ABOVE INSTRUMENT
NOTE 20: SUNSHINE THROUGH VERY THIN HAZE
NOTE 21: HEAVY FOG-VISIBILITY ESTIMATED LESS THAN .5 KM
NOTE 22: LIGHT DRIZZLE STARTED FALLING
NOTE 23: THIS NOTE APPLIES TO THE 2/25/79 DATA TAKEN 1214 THROUGH 1341 HOURS. FIVE ASCENT-DESCENT RUNS WERE MADE ON FANCES 1,2,3,1,2 RESPECTIVELY. THIRTY SECOND SAMPLES WERE TAKEN ON ASCENT AND GENERALLY 20 SECOND SAMPLES ON DESCENT. THE FOG WAS DENSE AT GROUND LEVEL IN EARLY AFTERNOON. VISIBILITY DROPPING TO 100 METERS AT 1230 HOURS.

NOTE 24: VISIBILITY ESTIMATED 300 METERS

NOTE 25: THIS COMMENT APPLIES TO DATA TAKEN 2/25/76 1545 HRS THROUGH 1556 HOURS. THE CONDITIONS WERE HEAVY FOG, WITH ESTIMATED VISIBILITY CHANGING DURING THE MEASUREMENT PERIOD FROM 100 METERS TO 500 METERS. AT 1602 HRS THE QUANTITY OF ICE COLLECTED ON THE BALLOON WAS SUFFICIENT TO PROHIBIT FURTHER ASCENT.

NOTE 26: BALLOON NO LONGER VISIBLE

NOTE 27: HEAVY FOG

NOTE 28: TETHER LINE DISPLACED 30 DEG FROM VERTICAL

NOTE 29: NO REASON FOR THE SUDDEN DROP IN CONCENTRATION IN CHANNELS 1 AND 2 IS APPARENT FROM THE RAW DATA

NOTE 30: TETHER LINE DISPLACED 10 DEG FROM VERTICAL

NOTE 31: TETHER LINE DISPLACED 20 DEG FROM VERTICAL

NOTE 32: THIS NOTE APPLIES TO 3/1/76 DATA TAKEN 721 THROUGH 1033 HOURS. CONDITIONS WERE TOO WINDY TO FLY THE BALLOON SO THIS DATA IS FOR MEASUREMENTS TAKEN WITH THE INSTRUMENT PACKAGE SITTING ON A TRAILER TWO METERS FROM GROUND LEVEL. THE UPWARD RADIATION FLUX MEASUREMENTS ARE THEREFORE MEANINGLESS.

NOTE 33: INSTRUMENT SITTING ON TOP OF TRAILER-CLEAR BLUE SKY

NOTE 34: SUNSET

END

FILMED

2-83

DTIC